

BADGER STATE

Smoke Signals

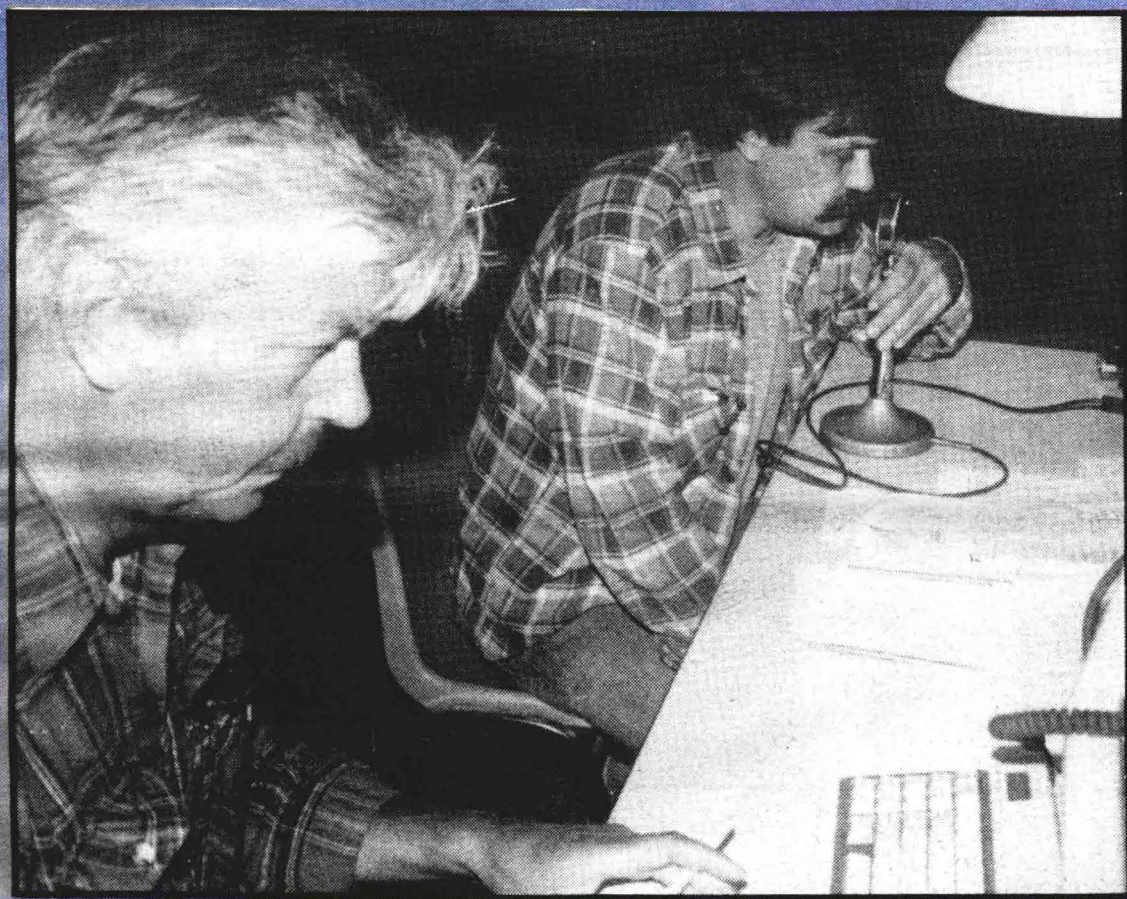
For Radio Amateurs • By Radio Amateurs

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Field Day 1990



The Racine Megacycle Club was one of the many clubs and groups taking part in Field Day 1990. The propagation gods didn't smile on the bands, but most everyone had fun. Here, RMC operators Jim Levandowski, KB9CCY, (left) works as the computer logger, while Jim Runkel, KE9KQ, tries to find something for him to log. Photo courtesy Racine Megacycle Club. More RMC news is elsewhere in this issue.

To Benefit Handicapped

Congress Spurs Relaxation of Exam Requirements

(Editor's note: This updates and expands on a story we published last month. It concerns relaxed code exam requirements for handicapped individuals.)

Changes in Morse code testing of disabled people already have been implemented, according to John Johnston, W3BE, Chief of the Federal Communications Commission's Personal Radio Branch. The changes apparently are in response to direction from Capitol Hill.

Johnston spoke on the subject to a meeting of Volunteer Examiner Coordinators on June 15.

"While the no-code Communicator issue is the foremost topic in Amateur Radio right now," Johnston told the coordinators, "there is another issue involving the code that has a full head of steam at the Commission. The interest on Capitol Hill for handicapped persons has reached the Commission, and there is renewed concern about the degree of accommodation provided in license examinations for handicapped people."

(Please turn to page 13)

ELMER

by Rich Regent, K9GDF



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Swapfests and other Social Events

SUNDAY, AUGUST 5, 1990. Fox River Radio League, Hamfest at Sugar Grove (5 miles NW of Aurora), IL. Contact Fox River Radi League, P.O. Box 443, Aurora, IL 60507.

SATURDAY, AUGUST 11, 1990. Rhinelander WI Swapfest, at the Gigantic Rhinelander Ice Arena. Sponsored by Northwoods ARC, Tomahawk Repeater Assoc., & Rhinelander Repeater Assoc. License Exams in AM only. Admission \$1.00. 3x8 tables \$5.00 each. Food and beverage available. Contact: Leonard Bauman, K9RMN, 804 Lincoln St., Rhinelander WI 54501. (715) 369-3296 or 369-5564.

SUNDAY, SEPTEMBER 9, 1990. BARS 6th annual Ham/Computerfest at the inwood Recreation Center, 3000 W. Jefferson St., Joliet, IL. Contact: BARS Hotline, (708) 759-7005.

SATURDAY-SUNDAY, SEPTEMBER 15-16, 1990. SUPERFEST 90, sponsored by the Peoria Area Amateur Radio Club. Contact Superfest '90, P.O. Box 3461, Peoria, IL 61614. (309) 674-5656. (Watch for ad in next months BSSS with full details.)

SATURDAY & SUNDAY, SEPTEMBER 22 & 23, 1990. RADIO EXPO, sponsored by the Chicago FM Club, will be held at the Lake County Fair Grounds, Rts. 45 \$120, Grayslake, IL. Contact CFMC, P.O. Box 1532, Evanston, IL 60204. (see also their ad in this issue of BSSS)

SATURDAY, OCTOBER 6, 1990. FALLFEST 90 sponsored by the Green Bay Mike & Key Club., at the Green Bay Community Center. Contact Green Bay Mike & Key club, P.O. Box 13351, Green Bay, WI 54307. (414) 432-3491.

SUNDAY, OCTOBER 14, 1990. Kettle Moraine Radio amateurs Computer and Ham Radio Swapfest. At the Waukesha County Exposition Center, Highways J and FT in Waukesha, WI. Contact KMRA Swapfest, P.O. Box 276, Waukesha, WI 53187. (see also their ad in this issue of BSSS)

SUNDAY, NOVEMBER 4, 1990. Fox Cities ARC Hamfest at the Starlite Club, Rte. 1, Kaukauna, WI. For table reservations contact Don Baker, 621 W. 7th St., Kaukauna, WI. (414)766-3886).

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas.

Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings

Due to space limitations, we are not carrying the listing of club meetings this month. The full listing was carried last month, and there are no changes to report this month.

Let Badger State Smoke Signals know your club's meeting dates, and we will let our readers know of your meetings and activities. There may be Amateurs in your area interested in joining your club, or members of other clubs interested in making an interclub visit.

WANTED: Old or unusual telegraph keys and bugs. Contact Jerry Scherckenbach at call book address, telephone (414) 481-8831 or Packet radio N9AW @ WB9TYT.

The TEST POINT



The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area. (Underlined are added or changed since last months BSSS.)

August 11, 1990	Rhineland, WI
September 5, 1990	Milwaukee, WI (MRAC)
September 13, 1990	Eau Claire, WI
September 15, 1990	Milwaukee, WI (BE)
September 15, 1990	Dubuque, IA
October 3, 1990	Milwaukee, WI (MRAC)
October 20, 1990	Milwaukee, WI (BE)
November 3, 1990	Menomonie, WI
November 7, 1990	Milwaukee, WI (MRAC)
November 17, 1990	Milwaukee, WI (BE)
December 5, 1990	Milwaukee, WI (MRAC)
December 8, 1990	Dubuque, IA
December 15, 1990	Milwaukee, WI (BE)
Monthly, First Sat.	Racine, WI
(except January, July & August)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	
Monthly, Third Sat.	Loves Park, IL
Minnesota tests listed at end of column	

GENERAL RULES FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walkins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 25¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$4.95 payable to "ARRL/VEC".

The FCC now requires applicants to show their original Amateur license to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB - MRAC/VEC

1990 examination dates: Sep. 5, Oct. 3, Nov. 7, Dec. 5.

Tests are Wednesday evenings at 7:00 p.m. at Wauwatosa East High School, North 74th and Milwaukee Avenue. Enter through the southmost entrance on 74th Street. Go to room 256 on the 2nd floor. Please arrive promptly, so testing can be completed before 10:00 p.m. Bring along your original license and three (3) good quality photocopies, plus two forms of identification, such as a driver's license, etc. Also required are a

BADGER STATE SMOKE SIGNALS

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ADDRESS CHANGES AND CORRECTIONS should be sent to Kenneth A. Ebnetter, address above.

EDITORIAL MATERIAL, PHOTOGRAPHS, FEATURE ARTICLES, AND EXCHANGE PAPERS should be sent to Jim Romelfanger, address above.

DISPLAY ADS or INQUIRIES REGARDING DISPLAY ADS may be directed to Hurry Westlund or Kenneth Ebnetter, addresses above.

SUBSCRIPTIONS should be sent, with check or money order (do not send cash), to Jim Decker, address above.

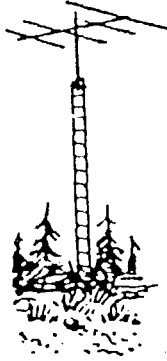
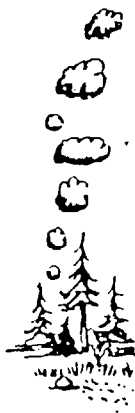
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The opinions expressed in editorials, guest editorials, columns, articles, and letters are the opinions of the authors only, and do not, unless otherwise stated, express or imply agreement or endorsement by Badger State Smoke Signals, or by any other organization.

SUBSCRIPTIONS

1 year	(12 issues)	\$8.50
2 years	(24 issues)	\$16.00
3 years	(36 issues)	\$23.00



pen and \$4.75 for the exam fee. WALKINS are welcome. To register in advance, use a 15 cent U.S. post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, 1737 North 116th Street, Wauwatosa, WI 53226, or to Ed Sergua, KE9JJ, 3840 South 43rd Street #21, Milwaukee, WI 53220. Telephones: (414) 774-6999 or (414) 545-6299.

BADGER EXAMINERS (BE) - MILWAUKEE
Sep. 15, Oct. 2, Nov. 17, & Dec. 15.

Unless otherwise noted, examinations are administered beginning at 1:00 p.m. to 3:30 p.m. at St. Nicholas Church basement, 5345 N. Green Bay Ave. (2 1/2 blocks south of Silver Spring), Milwaukee. Walkins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, W19M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

MENOMONIE, WI (ARRL-VEC)
November 3, 1990

Credit Union Bldg., 444 S. Broadway, Menomonie, WI. Contact: Dr. I. King, WF9I, 108 Shorewood Dr., Menomonie, WI 54751. (715) 235-5757.

EAU CLAIRE, WI

Tests will be given on the following dates:
September 13, 1990

The September examinations will be given at the Facilities Management Building, The University of Wisconsin, Eau Claire Campus.

RHINELANDER, WI
August 11, 1990

Rhineland Swapfest, Rhineland Ice Arena. Tests given in the AM only. Contact: Leonard Bauman, K9RMN, 804 Lincoln St., Rhineland, WI. 54501

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Exams are given at 9:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walkins are permitted. Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

Tomahawk, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No pre-registration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

DUBUQUE, IOWA (ARRL/VEC)

September 15, and December 8, 1990

Exams are at 9 a.m. in the Central Fire Station at 9th and Central in Dubuque. Use the

basement entrance on 9th Street. Contact Mike Jozefowicz, NSOU, 2735 Hickory Hill, Dubuque, Iowa, telephone 319-582-8563. Talkins are on the 147.84/24 and 147.63/03 repeaters.

(Thanks Art Evans, KA9KLZ)

Love's Park, IL

Third Saturday of every month.

Northern Illinois Volunteer Examiners (DeVry VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, 5006 N. Second St., Loves Park, IL 61111. (815) 877-6768.

MINNESOTA TESTS

September 8, 1990 BARC
September 15 SPRC
September 29, 1990 SEMARC
October 13, 1990 BARC
November 10, 1990 BARC
December 1, 1990 SPRC
December 8, 1990 BARC
December 15, 1990 SEMARC

Locations and contacts:

St. Paul Radio Club (SPRC)
St. Lukes School (cafeteria)
1065 Summit Ave.
St. Paul, MN
contact: Jay Bellows (612) 222-7253

Bloomington Amateur Radio Club (BARC)
Creekside Community Center
98th and Penn Ave. So.
Bloomington, MN
contact: Art Putt (612) 881-7181

SE Metro Area Radio Club (SEMARC)
St. Thomas Aquinas Activity Bldg.
920 Holly Ave.
St. Paul Park, MN
contact: David Harrell (612) 459-1647

The above Minnesota test are listed as a help to readers near or traveling thru the area. If you are interested in any of these, please save this listing as we may not always have space available to list them. Thanks to "Ground Wave" for the above information.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules.

Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.

The Rock River Radio Club in Dodge County is considering offering Amateur Radio Novice through Extra classes this fall. Which classes the Club offers will depend on how many people sign up. If you would like more information, contact Dale Marks, WB9ADB, at (414) 485-4234. Or send a message to Brad - KA9JDE @ WA9KEC. Best of 73s from the RRRC Gang!

Latest Call Signs Listed

Here are the latest call signs issued by the FCC, as of July 1, 1990 (per FCC news release):

Dist	Group A Am Ex	Group B Adv	Group C Tec/Gen	Group D Novice
0	AA0BK	KF0LO	N0MDW	KB0HGE
1	W11O	KC1VW	N1HUP	KA1WDM
2	W22R	KE2US	N2KXR	KB2KSD
3	WB3E	KD3SX	N3IHJ	KA3WQL
4	AB4WY	KN4LF	N4ZPJ	KC4RUG
5	AA5SZ	KI5GY	N5QYQ	KB5NGK
6	AA6WS	KK6MJ	N6ZNT	KC6MHR
7	AA7FD	KG7GE	N7PCG	KB7LGV
8	AA8BQ	KF8HW	N8MOZ	KB8KKR
9	WT9N	KE9XQ	N9JWP	KB9FFM
N Marianas				
Is.	AH0H	AH0AG	KH0AM	WH0AAL
GU	KH2N	AH2CG	KH2EM	WH2AMN
Johnston				
Is.	AH3C	AH3AD	KH3AC	WH3AAG
Midway				
Is.		AH4AA	KH4AD	WH4AAH
HI		AH6KN	NH6XA	WH6CII
Kure				KH7AA
American Samoa				
	AH8D	AH8AD	KH8AI	WH8AAZ
Wake, et al				
	AH9A	AH9AD	KH9AE	WH9AAH
AK		AL7MC	NL7UK	WL7BZC
VI	NP2F	KP2BU	NP2DX	WP2AHD
PR		KP4QU	WP4YD	WP4JCQ

- The ARRL Letter, 07/27/90

THE BARGAIN MODE

SSB

SELL SWAP BUY

OUR WANT ADS GET RESULTS

WANTED: HP-23A power supply for HW-100 or SB-102. Vicki L. Hess, W6OAE, 1211 Wilson Dr., Eau Claire, WI 54703.

FOR SALE: SENCORE test equipment - VA62 Video Analyzer with NT64 NTSC adaptor, VC63 VCR adaptor & expander adaptor, \$1800.00; CR70 CRT tester/restorer, \$500.00. Kenneth A. Ebnetter, 822 Wauona Trail, Portage, WI 53901. (608) 742-3560.

WANTED: 1945-46 issues of CQ Magazine, and ARRL Repeater Directories, editions #1 thru 7, 12 and 14. Dennis G. Eksten, W9SS, 5066 N. Second St., Loves Park, IL 61111. (815) 877-6768.

FOR SALE: Colorful United States Stamps. 100 all different. \$1.00 postpaid. Richard Regent, K9GDF, 5003 South 26th St., Milwaukee, WI 53221.

WPDR 1350

WDDC FM100

Wisconsin Nets Association Ltd.

Wisconsin Nets Association Ltd.

WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Manager
BWN	Yes	3984	1100	0600	KC9CJ
BEN	Yes	3985	1700	1200	WA9W
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
6:30 Net	No	01/61	2330	1830	KA9OMC
Gr Bay	No	72/12	0145	2045	WB9NRK
			Thu	Wed	
RACES	No	3993.5	1715	1215	WC9AAG
			USB Tue and Thu		
RACES	No	3993.5	1300	0800	WA9OAY
			LSB Sunday		

Section Manager's

notes

Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221



Everyone is welcome to the Wisconsin Nets Association Picnic and Fall Meeting, September 8th at Hartman Creek State Park, Highway 54 West, Waupaca; the prize committee will have some surprises to give away.

Send monthly net reports and individual traffic counts to KC9CJ, Section Traffic Manager; Dick could also use more net control stations.

W9KLN is 9RN Manager, and needs liaisons to Central Area Net.

Free severe weather procedures and message formats are available from W9ZAG, Section Emergency Coordinator.

N9AW has semi-automatic key collection, and is looking for more keys.

New officers of Sheboygan County ARC: Pres. KB9AFT; V. Pres. N9LXX; Sec. WE9R; and Treas. WA9SNU.

Green Bay Mike and Key Club provides communications for Bellevue-East Optimist Club Run on August 28.

Milwaukee Radio Amateurs' Club has Amateur Radio classes starting September 5th for nine Wednesdays, 7:30 p.m., at Wauwatosa East High School; contact WB8BWP for information.

MRAC exams are on September 5th.

Eau Claire ARC exams September 13th, Facilities Management Bldg., University of Wisconsin - Eau Claire.

Badger Examiners exams will be on September 15th, St. Nicholas Church, Mil-

waukee, WI9M.

Sorry to report Silent Key W9WQ, a hard working volunteer of Amateur Radio. N9FZL has recipe for delicious strawberry pizza.

LIST OF FIELD DAY MESSAGES RECEIVED AT K9GDF, JUNE 1990

(Club name, location, club call, (originator call), operators/ARES members)

Fox Cities ARC, camp grounds near Neenah, WD9FLJ, 13/9

Milwaukee RAC, Lannon, W9RH (KE9-LL), 5/5

LeFrog, Lake Park near sewage plant, Port Washington, KA9WRL, 5/5

Ozaukee RC, Lazy Day Campgrounds, WI9M, 20/6

Wisconsin Rapids ARC, W9DQA (K9-UTQ), 7/7

Waupaca ARC, Old Car Show Grounds, Waupaca, N9IAI, 8/5

Calumet ARES, Ledge Park near Chilton, KN9P, 10/8

Riverland ARC, near La Crosse, W9UP (KA9FOX), 10/2

NWARC, Nicolet College near Rhineland, AA9Y, 46/18

Washington County ARC, St. Lawrence FD grounds, W9SIZ (W9WYI), 5/5

Menomonee Falls RC, Municipal Garage, Menomonee Falls, K9RHH (KB9OK), 10/4

Kettle Moraine RA, Hillcrest Park, Waukesha, N9KS, 45/20

Wisconsin AR Pioneers, WE9R, 3/0

W/K ARC, Oak Creek, N9AW (NK9G), 10/0

WISCONSIN NETS ASSOCIATION

STEVENS POINT, WI MEETING

17 June 1990

Chairman Greg Garner, WA9W, called the meeting to order at 11:10 a.m., June 17, 1990. The following members and guests were present:

K9UTQ, KC9CJ, KA9BHL, KA9BHK, WB9ICH, K9FHI, K9KSA, K9BX, WB9YPY, KA9BAE, AG9G, KY9P, N9BDL, W9NGP, NS9Q, WG9J, W9CBE, W9ZAG, N9IAI, W9NGT, KA9KLZ, and WA9W.

The secretary read the minutes from the previous meeting. Motion (N9IAI/K9FHI) was made to approve the minutes as read. Motion carried.

Dane County ARES News

Any Dane County Amateur Radio operator who is interested in becoming a member of the Amateur Radio Emergency Service is urged to contact me on the CWRA 146.28/88 repeater, via my packet mailbox (145.07), or by telephone at (608) 829-3075.

If you have been an ARES member in the past, you are requested to reconfirm your interest by notifying me as soon as possible.

All Dane County hams are invited to get involved in this important Amateur Radio activity. Operators with VHF/UHF portable and mobile phone, CW, and packet capabilities are especially encouraged to volunteer their services.

Check the BSSS each month for Dane County ARES news: announcements, schedules of events, and special operating and training features.

Congratulations to the following hams, who are new or reconfirmed Dane County ARES members: Brian Biggers (N9GBJ), Dave Heins (N9IRI), Matt Helt (WA9EKQ), John Offerdahl (KC9XH/-South-Central Wisconsin ARES District Emergency Coordinator), Greg Zier (KA9VDU), Jim Waldorf (KB9AQQ), and Tom Weeden (WJ9H).

OUR COMMUNITY NEEDS ARES - AND ARES NEEDS YOU.

73, Jim Lackore, AD9X
Dane County ARES
Emergency Coordinator

The chairman called for the treasurer's report. WNA Treasurer W9CBE gave the following report:

Balance on hand, 3/10/90	\$196.19
Receipts from WNA boosters	\$9.00
Debits to BSSS	\$5.60
Balance on hand, 6/17/90	\$199.69

Motion (N9BDL/K9UTQ) to accept treasurer's report. Motion carried.

SECTION MANAGER'S REPORT: The SM, K9GDF, was not present.

SECTION TRAFFIC MANAGER'S REPORT: STM KC9CJ reported that all nets are going well, and that he will try to get on the nets more often. He also said he is planning to set up a packet station to take net reports.

SECTION EMERGENCY COORDINATOR: SEC W9ZAG reported that ARES operations show improvement around the state, and that there are some new members. He reported that there are ECs in 54 counties now. Fred reminded everyone that

(Please turn to page 14)

ARRL Board Backs Codeless License; Stands Firm for Novices, Techs

A codeless Amateur Radio license, the upcoming World Administrative Radio Conference (WARC-92), and ways to streamline operations dominated the ARRL's second board of directors meeting of 1990.

At what several participants called an "unusually quiet meeting," the board heard an extensive report from President Larry Price and Executive Vice President David Sumner on the League's preparations for WARC-92. Several staff changes, intended to aid the WARC preparations, were announced.

Sumner, in particular, noted the possible expansion of the high frequency broadcasting bands and its potential impact on amateur bands, and the increased demand for UHF spectrum by new land mobile and mobile satellite systems. He stressed the importance of continued Amateur Radio technical development in the light of future competition for spectrum.

The board reaffirmed the League's position on a codeless, entry-level Amateur Radio license, paralleling a "strawman" recommendation made by committee in May. The board remains committed to the retention of both Novice and Technician classes of license, in addition to the proposed new Communicator class.

One change from the recommendation was that accredited volunteer examiners holding General class licenses should be authorized to administer Communicator and Novice examinations.

In the area of membership services, the board heard reports from several committee chairmen, including one on data processing now being implemented for the DX Century Club award.

Briefly, in other matters:

* The board, after hearing a report from the Membership Services Committee on spectrum management, voted to "encourage that further member input be sought with a final report and recommendation be brought back to the Board at its 1991 Annual Meeting." An article on this subject will appear in October *QST*.

* The executive vice president was instructed, "in light of the advances made in modeling and measurement of antenna performance in recent years," to prepare a report for the next meeting of the board "on the issues involved and any recommendations for change in the current advertising policy related to antenna gain figures."

* A special code proficiency certificate honoring the bicentennial of the birth of Samuel F.B. Morse will be available from April 27, 1991, through March 31, 1992.

* Shauna Richards, N7NGT, was named the 1989 recipient of the Hiram Percy Maxim Award.

* Gerald Kasselmann, KD4QA, was awarded the ARRL Professional Instructor of the Year award for 1990.

From the Editor

The sanitized version of the phrase used a number of times here this past month is "Oh, poop!"

Around the beginning of the month, a lightning storm (which blasted us here in Baraboo for two hours) damaged the parallel output port on the TRS-80 Model 4. Oh, poop! A newspaper to start working on, and no computer. Jim Decker, WB9UQT, (BSSS treasurer) transported the wounded computer to the Radio Shack Computer Service Center in Madison.

In the meantime, Ken Ebner, K9EN (BSSS Chairman), brought over from Portage a Televideo, which I knew nothing about. It runs CP/M. WB9UQT gave me a short lesson, and I was able to get some articles typed and saved to disk. But, to produce the paper, the TRS-80 is essential.

After two long weeks, the TRS-80 came back. WB9UQT and I began transferring files from the CP/M system to the TRS-80 system. After about ten minutes, drive 1 (the drive for the data disk) quit working. There were several "oh, poops" uttered. It was right back to Radio Shack for the Model 4. Oh, poop. Now what do we do? Here's what we did.

George Halper, W9SUF, West Allis, has a Model 4. Ken Ebner, K9EN, went to a broadcasters meeting in Egg Harbor (Door County), then drove to West Bend, where he met W9SUF, and picked up the Model 4, then he brought it to Baraboo. And that's the computer on which this issue was prepared. THANK YOU, GEORGE! And, thanks

to Ken and Jim too. Were it not for these good people, you wouldn't be reading this issue right now.

On the brighter side, we now have a Hewlett-Packard LaserJet III laser printer. All the headlines in this issue were set on that printer. However, the Radio Shack Model 4, when in proportional mode, does not output space increments correctly for the laser printer; thus, we cannot set text with the H-P. If any of our readers know of the availability of a laser printer driver for a Radio Shack Model 4 computer running SuperScript, please let me know. I do have the source code available in the word processor manual, and we have the engineering manual for the laser printer coming; if there is a programmer out there who enjoys a challenge, a new driver could be written. If someone would like to give that a try, contact Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901, telephone (608) 742-3560.

Of course, what we really need now is the right computer, so we can make good use of all the wonderful features the laser printer has. Currently, it can be used only to set up headlines. But, we have to finish paying for the printer, first; the initial payment was from donations and personal loans to BSSS by two radio amateurs. The new computer is at the very least two years down the road. But, who knows? If we can get all the equipment currently here working correctly, I might not have to say "oh, poop" for a long time.

- Jim Romelfanger, K9ZZ, Editor

* Lyle Aufranc, AA6DJ, was selected to receive the Herb S. Brier Instructor of the award for 1990.

* Andre Kesteloot, N4ICK, will receive the Pewter Cup for technical excellence for his article, "A Practical Direct-Sequence Spread-Spectrum UHF Link," which appeared in the May 1989 issue of *QST*.

* The board conferred on Iris and Lloyd Colvin, W6QL and W6KG, a special award as Amateur Radio Ambassadors of the decade 1980-1990 for their tireless efforts to foster international goodwill by means of Amateur Radio.

* The board thanked Naoki Akiyama,

NX1L/JH1VRQ, who recently left the headquarters staff, for his eight years of service to the League and its members in the field of international services.

* The board approved an ARRL "National Certificate of Merit," to "recognize achievements of members contributing substantially to the furtherance of the goals of the Amateur Radio Service, in a manner of national significance."

The board met in Farmington, CT, on July 20 and 21.

- Excerpted from The ARRL Letter, July 27, 1990

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Field Day 1990

Four Lakes Amateur Radio Club



Bob Aspinwall, KA9JPZ, Madison, is shown operating the 10 meter phone station.



Jim Fitzpatrick, WB9HRO, Madison, racks 'em up on 40 meter CW. Now, that's a look of real concentration!



PEDAL POWER: This lashup was used to make about five Field Day contacts. The rear wheel of the bicycle, with a number of weights added to create a flywheel effect, drove an alternator. The alternator's output was transformed into 120 volts AC to power a rig. No battery was used; to make the rig work, the bike rider had to work, too. The photographer who took these FLARC FD photos, Steve Polishinski, WB9YSD, says that pedaling 150 watts is hard, hard work!



A few "first contact" awards were given at the FLARC FD site. Here, the operator on the left receives his "Worked First Idaho" award, which consist of a certificate and, of course, an Idaho potato. Another award was presented for working both North and South Dakota (WAD?). We're sorry, but we misplaced the original photo, so we can't tell you whose handsome faces these are.

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725, Wausau, WI 54401, or call (715) 845-1006.

Attention VEs and Test Takers

The ARRL/VEC now has both large print and braille exams available. VEs needing exams in either of these media need to give ARRL a six-week notice, letting them know if the test is needed in either large print or braille, and which element is required for persons at upcoming sessions.

Handi-Ham World, Summer 1990

News Briefs

By Rich Regent, K9GDF
Wisconsin Section Manager
5003 South 26th Street
Milwaukee, WI 53221

NEW HELPLINE NET IN MILWAUKEE: If you have any unanswered questions about Amateur Radio, ask them on the new HELPLINE NET, and get lots of good answers. Milwaukee's 145.13 MHz repeater sponsors the HELPLINE Net, which starts at 9 p.m. every Tuesday. Michael Robinson, N9EAX, of Wauwatosa, is the net manager, and says that besides answering questions, the net should build up use of the repeater and lure some more listeners. Got any questions about techniques, equipment modifications, tips, problems, or solutions? Try the HELPLINE Net.

PARADE SUCCESSFUL: The City of Festivals Parade in Milwaukee had 73 amateur operators who volunteered to provide effective communications. (Milwaukee County Emergency Coordinator) WB9SMM says that, even with this fine turnout, he could have used many more operators.

SPEEDY DX: Dave Schmock, KJ9L, of Oconomowoc, reports he has worked 85 countries in less than three weeks on 18 MHz. Using mostly CW and 30 to 100 watts, he concedes his 24/18 MHz dual-band beam at 80 feet was of considerable help. Also, five of the countries required kicking on the RF amplifier. Nice job on a band with great potential, Dave.

CONVERSION DX: James Albrinck, KA9QLP, in Cedarburg, worked 106 countries and confirmed 64 countries in a three-year period, using his converted CB SSB transceiver, which runs 12 watts PEP into a dipole. That sounds like a good DX challenge and fun, Jim.

XYL LOVES CODE: Paul Goemans, WA9PWP, of Madison, says his wife, N9AWW, loves the ARRL code tapes and W1AW code practice sessions. Jane practiced her code alone, and was able to pass the General code test. Thanks for the League endorsement, Jane.

HAM FAMILY: Robert Hummel, WA9ZTY, says his son is KB9DSD, and wife is KA9OSA. Congratulations!

Submarine Special Event Station Planned

The Manitowoc County Radio Amateurs (ManCoRad) will operate Special Event Station W9DK from the World War II submarine "Cobia" on August 3, 4, and 5. The station will operate from 1400Z to 0000Z each day on 3.950 MHz, 7.250 MHz, 14.250 MHz, 21.350 MHz, and 28.450 MHz. The station will also

monitor 146.52 FM simplex and the 146.61 MHz repeater. If you work the station, send a #10 SASE with your card to MANCORAD, P.O. Box 204, Manitowoc, WI 54221-0204.

We hope to publish a follow-up story, with a photo or two, in the near future. Thanks to John Meyer, NZ9Z, for this information.

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The keyer mounts on a Bencher paddle to form a small (4-1/8 x 2-5/8 x 5-1/2 inches) attractive combination that is a pleasure to look at and use.

The Bencher paddle has adjustable gold plated silver contacts, lucite paddles, chrome plated brass and a heavy steel base with non-skid feet.

You can buy just the keyer assembly, MFJ-422BX, for only \$79.95 to mount on your Bencher paddle.

Deluxe 300 W Tuner



MFJ-949D is the world's most popular 300 watt PEP tuner. It covers 1.8-30 MHz, gives you a new peak and average reading Cross-Needle SWR/Wattmeter, built-in dummy load, 6 position antenna switch and 4:1 balun -- in a compact 10 x 3 x 7 inch cabinet. Meter lamp uses 12 VDC or 110 VAC with MFJ-1312, \$12.95.

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No other equipment needed -- take it to your antenna site. Determine if your antenna is too long or too short, measure its resonant frequency and antenna resistance to 500 ohms. It's the easiest, most convenient way to determine antenna performance. Built in resistance bridge, null meter, tunable oscillator-driven (1.8-30 MHz). Use 9 V battery or 110 VAC with AC adapter, \$12.95.

SuperActive Antenna

"World Radio TV Handbook" says MFJ-1024 is a "first rate easy-to-operate active antenna ... quiet ... excellent dynamic range ... good gain ... very low noise ... broad frequency coverage ... excellent choice."

Mount it outdoors away from electrical noise for maximum signal, minimum noise. Covers 50 KHz to 30 MHz.

Receives strong, clear signals from all over the world. 20 dB attenuator, gain control, ON LED. Switch two receivers and aux. or active antenna. 6x3x5 in. Remote unit has 54 inch whip, 50 ft. coax and connector. 3x2x4 in. Use 12 VDC or 110 VAC with MFJ-1312, \$12.95.

VHF SWR/Wattmeter

MFJ-812B covers 2 Meters and 220 MHz. 30 or 300 Watt scales. Also reads relative field strength 1-170 MHz and SWR above 14 MHz. 4 1/2 x 2 1/4 x 3 in.



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"Dry" Dummy Loads for HF/VHF/UHF

MFJ-260B, \$28.95. VHF/HF. Air cooled, non-inductive 50 ohm resistor. SO-239 connector. Handles 300 Watts. Run full load for 30 seconds, derating curve to 5 minutes. SWR less than 1.3:1 to 30 MHz, 1.5:1 to 150 MHz. 2 1/2 x 2 1/2 x 7 in. **MFJ-262**, \$69.95. HF. 1 KW. SWR less than 1.5:1 to 30 MHz. 3x3x13 in. **MFJ-264**, \$109.95. Versatile UHF/VHF/HF 1.5 KW load. Low SWR to 650 MHz, usable to 750 MHz. Run 100 watts for 10 minutes, 1500 watts for 10 seconds. SWR is 1.1:1 to 30 MHz, below 1.3:1 to 650 MHz. 3x3x7 inches.

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Deluxe Code Practice Oscillator

MFJ-557 Deluxe Code Practice Oscillator has a Morse key and oscillator unit mounted together on a heavy steel base so it stays put on your table. Portable because it runs on a 9-volt battery (not included) or an AC adapter (\$12.95) that plugs into a jack on the side.

Earphone jack for private practice. Tone and Volume controls for a wide range of sound. Speaker. Key has adjustable contacts and can be hooked to your transmitter. Sturdy. 8 1/2 x 2 1/4 x 3 1/4 in.

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Polly Wants a Cracker

If you heard a parrot-like voice in the last CQ World-Wide Contest from KO9Q in Sheboygan, Wisconsin, you heard a cockatiel named OSCAR. A cockatiel is a small, crested Australian parrot. OSCAR is white, with an orange crest,

Cockatiels, like parrots, can mimic many sounds. So OSCAR loves to be in the ham shack when his owner, Michael Filipiak, KO9Q, is making SSB QSOs. OSCAR learns to repeat phrases that have the most emotion. As we know, phone contests are exciting. Mike says, "At times, there's more QRM in the ham shack than on the air in the contest." When the contest pace intensifies, and Mike's voice gets louder, OSCAR starts screaming, "NINE QUEBEC.... YOUR CALL?.... QSL!" Mike usually has to wear headphones to block out OSCAR's cackling from the actual incoming contacts.

Of the 7,000 QSOs KO9Q made during 1989, OSCAR probably should get



partial credit for many of them. When OSCAR is in good voice, it becomes a

question of whether to enter a contest in the one- or two-operator class.

Mike's XYL, Jackie, N9IOC, bought OSCAR at the Wisconsin State Fair, and they find he is a good companion and contest helper that needs only seeds, crackers, and water. Even their pet dog, RADAR, although he can't talk, has trick hearing abilities. While sound asleep, RADAR can hear the quiet crackle of a cookie wrapper, and immediately jumps up - wide awake - with a "RADAR wants a cookie" look written all over his face.

Over the past few years, Mike, Jackie, OSCAR and RADAR have held classes in their home for over 40 young newcomers to help them get their ham licenses. Mike and Jackie's enthusiasm, and a couple of funny pets, is a winning combination that will continue to promote Amateur Radio for many years to come.

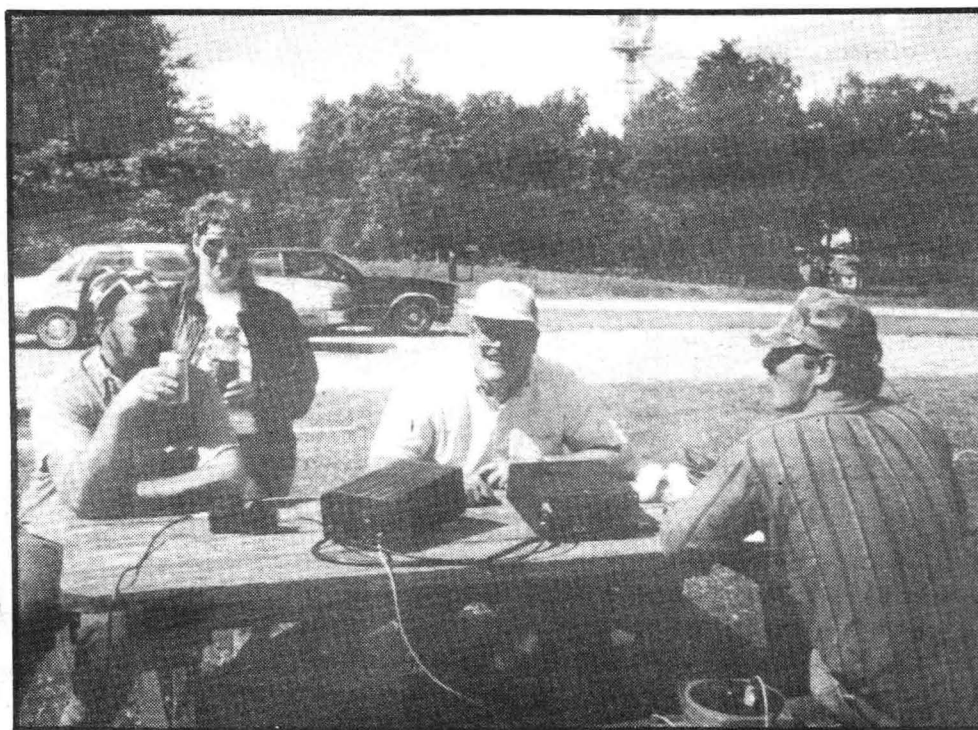
- Richard R. Regent, K9GDF
5003 S. 26th St., Milw., WI 53221

Field Day 1990

Yellow Thunder Amateur Radio Club



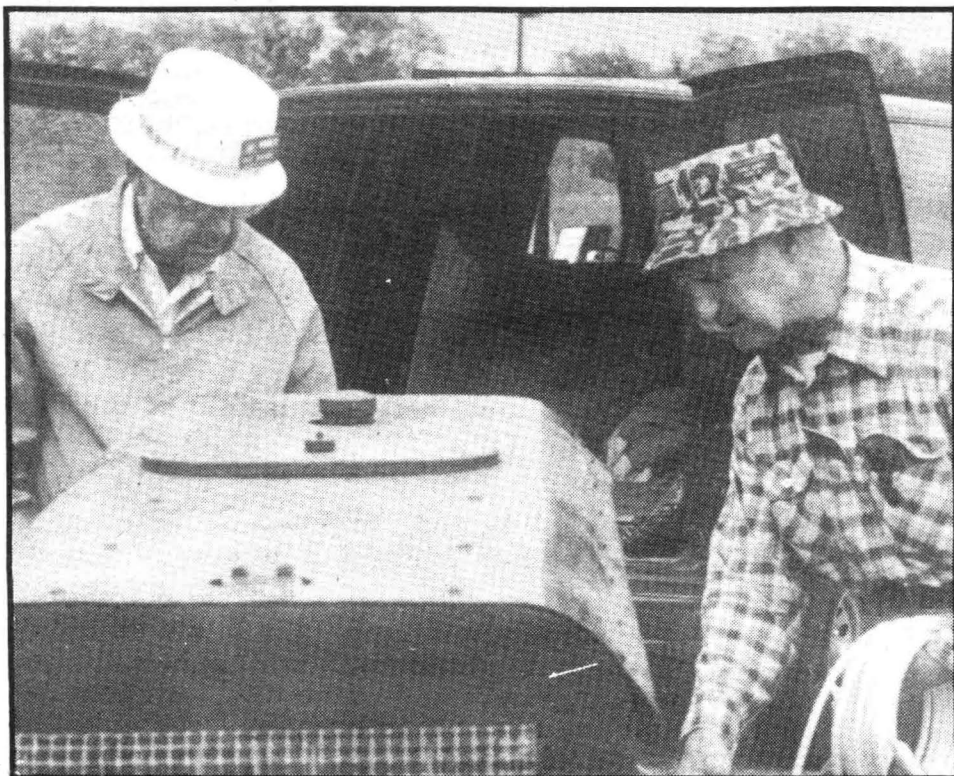
Above, Joe Sweeney, KB9ERR, Portage, left, and another unidentified operator, operate the YTARC Novice station on 10 meter SSB. While propagation wasn't very good, the station made good number of contacts. Joe worked lots of stateside stations and some DX as well. The antenna was a multi-band trap vertical, ground mounted, and with radials laid on the ground. More YTARC FD photos are on page 19 of this issue.



The YTARC Field Day operation was visited by a group of motorcyclists. Here, Steve Schwoegler, WB9RNL, Wisconsin Dells (at rig, facing the camera), explains what Ham Radio and Field Day are all about. The YTARC operation was at scenic Owen Park, in Columbia County, as usual. On clear nights, the TV tower lights and the capitol building can be seen from here, about 35 miles away. The site is free of line noise, and is a great VHF operating location.

Field Day 1990

Racine Megacycle Club



Once Bob Jensen, WØWLN, and Bill Komistra, W9OVZ, get the power system ready to go, the RMC will be ready for Field Day!

New User Fees to Pay for DXCC

The American Radio Relay League DX Century Club will institute a new fee schedule October 1. DXCC, while affecting a relatively small percentage of its members, is a substantial financial burden on the League. User fees, approved by the League's board of directors, will go toward better service (quicker turnaround time).

The fee structure is intended to encourage participants to send less frequent individual submissions to DXCC. Here is the basic outline:

- 1) After Oct. 1, every first-time applicant for DXCC will be charged \$10.00, in addition to the usual charge for return postage.
- 2) ARRL and Canadian Radio Relay League (CRRL) members will be allowed free of charge one submission per calendar year; this annual submission may include any number of QSLs, any number of DXCC awards, and any combination of new and endorsement applications. It does not include a person's all-time first submission.
- 3) Non-League members outside the U.S. and Canada will be charged \$10.00 for their first DXCC submission of any kind each calendar year.
- 4) U.S. and Canadian DXCC participants who submit more than once in a calendar year will be charged \$10.00 for each submission after the first one. Foreign non-members will be charged \$20.00 for their additional submissions.

— The ARRL Letter,
June 29, 1990

Northern Wisconsin Radio Club

Steve Kraft, KE9RW, Secretary, Rt. 7 Box 62, Menomonie, WI 54751

Hello everyone, I'm back again. Many thanks to President Steve, KA9OMC, for writing last month's column.

Our Field Day activities were a great success. We had a picnic Friday night, and made a few hundred contacts during the contest. We would like to thank Chuck, N9FVA, for the use of his airport.

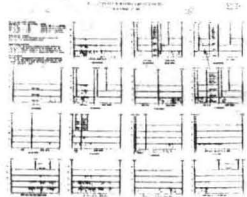
The NWRC had a table at the Eau Claire Hamfest. President Steve, KA9OMC, greeted those who stopped at our table to renew membership, sign up for membership, or to just say "hi".

We will provide communications at the Boyceville Air Show on August 19. Everyone is invited to attend this annual event, with static displays, acrobatics, and airplane rides.

The next NWRC meeting will be held on September 25 in room 247 of the Menomonie High School. There will be a demonstration of packet radio at the high school Amateur Radio station by Steve, KE9RW.

— Steve Kraft, KE9RW, Secretary

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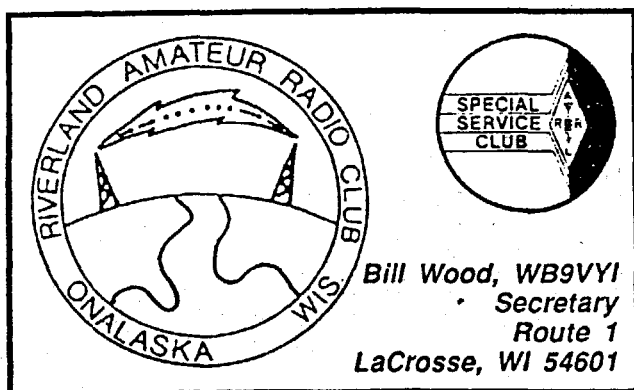


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Bill Wood, WB9VYI
Secretary
Route 1
LaCrosse, WI 54601

It was a hot night for the July 3 club meeting.

Dick, KØJYB, announced that there was a guest present who was interested in getting a ham license.

Arby, WF9T, gave the financial report. All bills have been paid, and the checking account is in good shape.

Walt, WD9GCR, made some stickers to fit on the membership cards. These will update the autopatch commands for redialing, etc.

There was a discussion about repeater use. It was generally agreed that users should let the courtesy tone reset between transmissions. This will prevent timeouts, and give others the opportunity to join in or use the repeater.

Charlie, KA9UUK, will send out a reminder letter to members who are overdue on membership fees. These will also allow us to update our records.

Dean, KQØC, recommended that the club consider offering discounted memberships to students and families in order to be supportive of more hams. It was agreed to have Dean have time to come up with a

detailed plan for action at a future meeting.

Dick, KØJYB, read a letter that Kent, W9LZQ, had sent to a local cable company. It concerned plans that the cable company has to use a channel which may cause trouble on two meters. The cable company is aware of the concerns, now.

Larry, WT9M, brought up discussion about hooking up our repeater's remote base capabilities. Dick, KØJYB, stated that our repeater location is on shaky standing. He believes that any modifications to the repeater may cause the club to lose this location.

The meeting was then adjourned, and everyone reviewed Dean's (KQØC) ham license plate collection. (Don't throw away those old ham plates; give them to Dean!)

Meeting notes
taken by Larry, WT9M

ATTENDANCE

Arby Boomer	WF9T
Walter Altus	WD9GCR
Ray Buhr	AA9M
Charlie Burch	KA9UUK
Rick Williams	KV9U
Dick Low	KØJYB
Dean Summers	KQØC
Larry Kapp	N9JFI
Gary Webb	NI9V
Scott Neader	KA9FOX
Wid Johnson	W9DM
Maty Johnson	XYL/W9DM
Joe Peterson	Guest



John's Book Shelf

By John W. Frank, WB9TQG
P. O. Box 5113
Madison, WI 53705

W1FB'S ANTENNA NOTEBOOK

From my point of view, this is one of the finest books on antennas I've ever read. The writing is concise and easy to understand. Every chapter contains drawings, illustrating how to build simple wire or vertical antennas. Instead of relying on math equations or complex charts and graphs, the author uses a few well-chosen formulas for antenna dimensions, along with numerous examples of how and why antennas work.

The author also tries to put some old antenna mythology and misinformation to rest by explaining when baluns and matching networks are needed, and when they can actually be detrimental to a ham station.

Who would I recommend this book to? Anyone interested in building wire or vertical antennas would probably learn something from this book. This book does not describe the construction or installation of beam antennas.

W1FB's Antenna Notebook was written by Doug DeMaw, W1FB. It is published by the ARRL, and carries a cover price of \$8.00 (paperback), 130 pages.

Pace Quickens in Preparation for Conference

While the agenda for the 1990 World Administrative Radio Conference (WARC-92) has been established, the full extent of possible threats to amateur allocations will not be known for some time.

Countries' proposals in response to the agenda are due eight months before the conference convenes on February 3, 1992. Over the weekend of July 7, the Administrative Council of the International Amateur Radio Union met in Boston to review the WARC-92 agenda, and to assess its possible impact on Amateur Radio.

The greatest threat is to the 7 MHz band, from possible expansion of the exclusive allocations for HF Broadcasting. Other bands facing significant potential threats include the 3.5, 10.1, and 14 MHz bands, from the same source, and the 144 and 420 MHz bands, from low orbit mobile service satellites, whose proponents are looking for spectrum to share with existing services. While no re-allocation decision to accommodate wind profiler radars is to be made at WARC-92, discussions will take place that may eventually affect the 420 MHz band, and possibly others.

New space applications above 20 GHz may affect present allocations there. Pressure on the microwave bands below 3 GHz will be intense, as a result of new and expanded services being considered in this range: satellite sound broadcasting (along with a complementary terrestrial broadcasting service), future public land mobile telecommunications systems, an aeronautical public correspondence service, and mobile-satellite services.

And finally, high definition television broadcasting by satellite will create pressure on the microwave frequencies above 10 GHz. In Washington, it's shaping up to be a busy summer. Working groups

of the FCC's WARC-92 industry Advisory Committee have been meeting since April to define non-government users' requirements for the conference.

2ND NOTICE OF INQUIRY IS CRUCIAL: In parallel, committees representing the various federal government spectrum interests have been doing the same. In the fall, the FCC plans to issue a Second Notice of Inquiry in its WARC-92 preparatory proceeding, General Docket 89-554. The second NOI is expected to include specific allocations proposals. The Advisory Committee working groups have been given until the end of July to provide their input for the drafting of the Second NOI.

In the working group responsible for HF issues, chaired by L.R. Raish, an effort is being made to accommodate HF Broadcasting without reducing amateur allocations.

It is possible that a recommendation may emerge to separate the 40-meter amateur band from the 41-meter broadcasting band, providing a 300 KHz exclusive worldwide amateur allocation of 6950-7250 KHz, adjacent to a worldwide broadcasting band beginning at 7250 KHz.

This is what the U.S. proposed at WARC-79, but had to settle for the status quo when there was insufficient support for the proposal in other countries. Even if this recommendation emerges from the working group, it will face an uphill battle, both here and abroad. The HF spectrum below 10 MHz houses many competing interests. The FCC's Second NOI this fall will provide the best opportunity for the public to comment on U.S. WARC-92 proposals as they develop.

—The ARRL Letter, 07/13/90

TAYLOR COUNTY AREA AMATEUR RADIO CLUB

Rolland Walty, W9LEE
Secretary
W. 4117 Hwy. 102
Westboro, WI 54490

MINUTES OF MEETING JUNE 14, 1990

The meeting was called to order at 7:10 p.m. by President N9GEN. Members present were KE9LX, N9GHZ, N9GEN, N9-IDW, KB9BLV, KA9WDX, W9LEE, KE4FE, WD9FWP, and Roland Sacho, Emergency Government Coordinator.

The minutes of the May 10 meeting were read by Secretary W9LEE, and approved. The treasurer's report was not available.

W9LEE was asked to brief the members on the current state of the W9QHI/R autopatch, and there was a brief discussion of possible changes. A motion was made by KE9LX, seconded by KB9BLV, to sell the courtesy tone board that was purchased for the repeater, but never installed, since the new autopatch and controller includes that feature. Motion approved by unanimous vote.

There was a lengthy discussion of severe weather and considerable criticism of the apparent lack of licensed personnel to man the radios at the EOC. There are a number of club members who reside within the city limits of Medford, but none seem to be available during a weather alert. KA9WDX finally agreed to be a "drafted volunteer" to go to the EOC when needed.

N9GHZ gave a brief report on the Boy Scout Camporee at Gilman in May. The Amateur Radio demonstration was a success, but the number of Scouts attending the Camporee was much less than anticipated, partly due to the inclement weather.

The question of Field Day was briefly discussed, but it was decided that the club would not participate this year.

A motion to adjourn was made by KE4FE, and seconded by N9GHZ. Meeting adjourned at 8:39 p.m.

Rolland Walty, W9LEE, Secretary

The next regular meeting will be August 9 at 7 p.m. at the Taylor County Courthouse Annex, corner of 2nd and Ogden Streets, Medford, Wisconsin.

MINUTES OF MEETING JULY 12, 1990

The meeting was called to order at 7:15 p.m. by President N9GEN. Members present: WD9C, KA9WDX, N9GEN, KE4FE, N9GHZ, WD9FWP, W9LEE, and N9IFA.

The minutes of the June meeting were read and approved. The treasurer's report was given and accepted.

A final subscription list to BSSS for the current period was checked and approved. A check to BSSS to cover the club subscription was drawn and signed by the treasurer and the secretary.

An informal discussion of the noise interference to the club repeater (the "Polish Razzberry") that has been plaguing us for some time followed. It was pointed out that similar noises have been heard at times on other repeaters, so it is possible the problem is more widespread than we realize.

There was also some discussion of severe weather, and the necessity to tighten up our weather net procedures.

Motion to adjourn by KE4FE, seconded by WD9C. Meeting adjourned at 8:16 p.m. Area hams attending the Eau Claire

Hamfest were KA9BLV, KA9WDX, NZ9U, WA9ZCO, KE4FE, and W9LEE. KA9BLV and W9LEE had reserved tables, and each succeeded in selling a few items. WA9ZCO and KB9BLV each won a door prize.

Rolland Walty, W9LEE, Secretary

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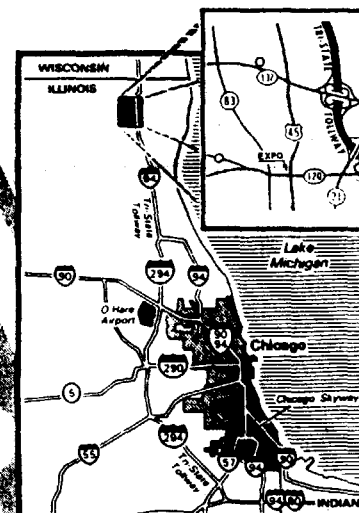
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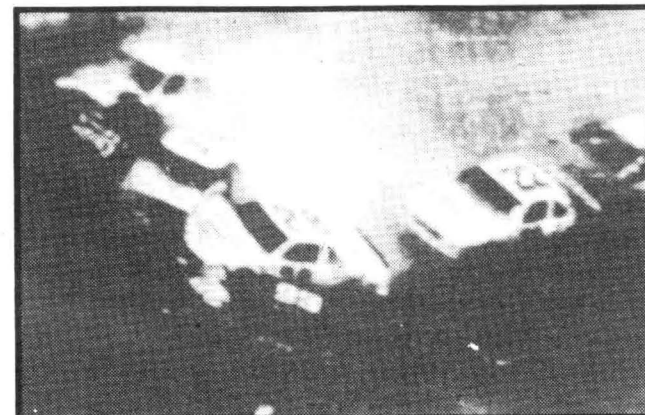
SSTV picture transmitted and received using the MFJ-1278 with multi-gray level modem and MFJ-MultiCom.

you'll want it for your every day word processing. It makes it easy for you to create your Auto-Router and Auto-Set files. A single function key brings it up. Extensive on-screen help is available.

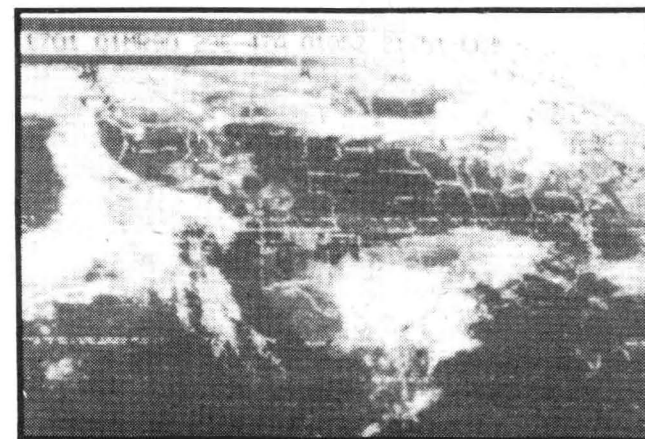
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- MFJ news release

Eau Claire Amateur Radio Club

Carl Searing, W9NW
Secretary
1129 McKinley Road
Eau Claire, WI. 54703

MEETING MINUTES — JULY, 1990

The meeting was opened at 7:30 p.m. by President Bill Jablonske, W9NNS. The minutes of the last meeting and the treasurer's report were read and approved.

Bob Fallis, W9BAR, reported that he had returned the 84/24 repeater 'phone patch, and that it was now working well.

The entire meeting was used for final planning for the upcoming hamfest. Loose ends were discussed, including additional sources for tables, further volunteers sought for ticket duties, etc. W9NW made a

final announcement about the VE exams to be held both on Friday evening and on Saturday.

Suggestions were solicited concerning possible program topics for this Fall.

The next meeting will be on August 14, 1990. Lunch Committee: N9FLN, W9-NFJ, and W9NW.

Meeting adjourned at 8:33 p.m.

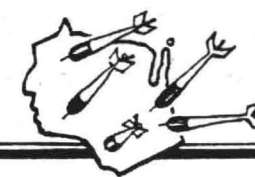
Respectfully submitted:

W9NW, Secretary

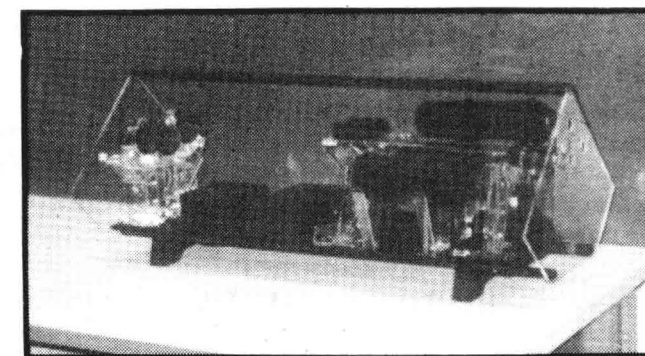
..And That's the Way it Is

Walter Cronkite, well-known retired broadcaster (CBS-TV News anchorman before Dan Rather), has received his Novice Class Amateur Radio license. Listen for him as KB2GSD. Congrats!

- Magnolia Report in
Hamsplatter, Ft. Wayne Radio Club



HERE and THERE



This is a plastic-cased high-speed photometer, built by the University of Wisconsin Astronomy Department. The actual photometer, measuring light intensity aboard the Hubble Space Telescope, is metal-cased, and is working.

- WB9YSD photo.

Morse Test Relaxed

(Continued from front page)

Johnston said that the number of people requesting waivers of the CW test because of various disabilities has recently increased, and that "three persons, moreover, have filed discrimination complaints under the Disability and Rehabilitation (Act)."

Johnston said volunteer examiners themselves are another source of input on this topic. "I suppose when you only encounter the handicap examination issue from a distance," Johnston said, "it's easy to rigidly insist, as many of the commentators in the Communicator proposal are insisting, 'I passed a code test, and that proves any fool can do it.'"

"Most amateurs held a similar view until the VEC systems came along," Johnston said. "Before then, you didn't have to give the heartbreaking news to persons who have a severe handicap that keeps them out of Amateur Radio. Our (FCC's) examiners did that nasty little job for you. But now it's the VEs that have to do it. They are the ones on the firing line, and more and more they are becoming sensitized to the very real problems that some handicapped persons have in passing the code test."

"In many cases, these persons would be an asset to your service," Johnston said. "In practically all cases, moreover, the pleasure that they would receive from Amateur Radio would greatly improve the quality of their lives. As a result, the Commission found itself in the very uncomfortable bureaucratic position of having to defend the amateur community's position regarding the Morse code against concerned, caring amateur operators."

IMPLEMENTING NEW PROCEDURES: The FCC is asking volunteer examiners to implement two new procedures. The first would have volunteer examiner coordinators agree on special procedures for administering the CW exam. The second request is for volunteer examiners to implement new FCC policies, including waivers of the 13 or 20 WPM exams, if the applicant already holds at least a Novice license, and if "the examinee submits a physician's certificate that due to a severe handicap" (per the 1988 Developmental Disabilities Act), "the examinee is unable to meet the 13 or 20 words per minute requirement."

Volunteer examiners would receive a written request for waiver from a physician, administer the necessary written tests, then submit the package to FCC, where the waiver request would be acted on.

"We do not expect you or your VEs to make medical judgements," Johnston said. "You must not engage in disputing the physician's certification that due to the person's severe handicap, the person cannot meet the telegraphy speed requirement."

Johnston said "the first such waiver under the interim policy is in the process

of being granted," and is being handled directly by the Private Radio Bureau. "We will be initiating a rulemaking proceeding in the very near future to implement the new policy directly.... so that the waiver request step will be unnecessary."

"In the meantime, section 4 of your instructions to the VEs needs revision to incorporate the new waiver policy, and your expanded special procedures," Johnston told the coordinators.

The 1988 Developmental Disabilities Act lists a number of "severe disabilities," ranging from autism to mental retardation to epilepsy. Included in the list are blindness and deafness, disabilities which thousands of radio amateurs have overcome in passing FCC exams over the decades.

Examiners were advised to recognize the distinction between procedures and waivers. For example, a deaf person taking the test by flashing lights is a procedure.

Some volunteer examiner coordinators have expressed concern about possible changes in Morse code testing of people with certain disabilities. Among those citing the possibilities for fraud was Gordon West, WB6NOA, president of Gordon West's Radio School. "I encourage the Commission to draw a hard line as to what qualifies and (what) does not," West said, "so word does not get out that a note from the doctor will get you out of a 13 or 20 test, because I can see them coming already."

- The ARRL Letter, 07/13/90

The

12th Annual Fall

Kettle Moraine Radio Amateurs

1990 Computer and Ham Radio

SWAPFEST

Sunday, October 14th 1990
from 8:00 AM to 1:00 PM at the
Waukesha County Exposition Center
Highways J and FT in
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TALK-IN ON 147.39+

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The KMRA 12th Annual Computer and Ham Radio Swapfest Advanced Registration Form

Please send me tickets for the following:

— General Admission -	\$4.00 each (\$5.00 at the door)
— 4 foot Table Reservation -	\$5.00 each (\$6.00 at the door as available)
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City, State ZIP _____

All orders *must* be accompanied by a SASE and mailed to:

KMRA Swapfest
PO Box 276
Waukesha, WI 53187-0276

VENDOR SET-UP AT 6:00 AM

Responses to all correspondence and ticket requests received on or after October 6 will be held at the door!

Wisconsin Nets Association Ltd.

(Continued from page 4)

the NTS is an integral part of the emergency system.

BADGER WEATHER NET: BWN delegate WB9YPY reported that the BWN is doing well, and QNI is averaging about 52 per day.

BADGER EMERGENCY NET: BEN N/M N9IAI reported that checkins are down, and conditions are bad on 75 meters. 9RN reps are needed, and Bob is trying to fill all slots. Bob reported that all NCS slots are filled.

In his capacity as Picnic Chairman, Bob also reported that the September picnic will be held on Saturday, Sept. 8, 1990, at Hartman Creek State Park, Highway 54 West, Waupaca, WI. Camping, swimming, fishing, and a shelter are available, and the cost will be \$23.00. A State Park sticker or a day sticker is required to get into the park. Day stickers are \$3.00.

WISCONSIN SIDEBAND NET: WBSN N/M K9UTQ reported that the net is in its summer slump; traffic and QNI are down. All NCS slots are filled, and people are filling in as needed. Gene said that new people are always needed as NCSs, 9RN reps, and QNI. Gene said that the net is generally doing good.

WISCONSIN NOVICE NET: In the absence of a WNN representative, K9KSA gave the following report. Don said that the net is going fairly well, with few nites missed.

WISCONSIN SLOW SPEED NET: WSSN N/M N9BDL reported that he had been ill for quite some time, and thanked everyone for filling in while he was in the hospital. Lee also thanked everyone who sent cards and letters while he was in the hospital. Lee said that the net was generally doing good.

WISCONSIN INTRASTATE NET/EARLY: WIN/E NM WB9ICH reports that the net is doing good, but needs 9RN reps. Traffic is down, averaging 3 or 4 pieces per net.

WISCONSIN INTRASTATE NET/LATE: WIN/L NM W9NGP reported that the net is still there, and going steady.

NORTH WOODS TRAFFIC NET: NWTN N/M NS9Q reported that April and May were hectic months, with NCSs sick. QNI are averaging 16-18 per session, and traffic is up some. Mary said that the net generally going well.

OLD BUSINESS

K9UTQ mentioned that K9GDF was re-elected as Section Manager. N9IAI commended W9NGT for filling in as NCS on the nets.

SEPTEMBER PICNIC: Motion (N9BDL/-WG9J) to accept N9IAI's picnic proposal, and to appropriate \$23.00 to cover the fee. Motion carried. N9IAI asked how many campers would be there. After discussion,

Bob said he would request 10 campsites. K9FHI inquired about a prize committee. WG9J nominated K9FHI as Prize Committee Chairman. K9FHI declined, and Chairman WA9W appointed WB9ICH as Prize Committee Chairman. Motion (WB9YPY/-KC9CJ) was made to appropriate \$75 for prizes. Motion carried. N9IAI volunteered for the refreshment committee. Motion (WB9ICH/K9FHI) was made to appoint N9IAI as refreshment committee chairman. Motion carried. \$50.00 was appropriated for refreshments.

NEW BUSINESS

WG9J suggested that more publicity be given to the nets. WA9W suggested that NMs do more to publicize the nets. K9UTQ suggested using clubs for publicity. All agreed that more publicity is needed.

KA9KLZ commented that the next meeting will be election of officers, and that it is time to start thinking about who would make good officers for the WNA.

N9BDL gave a tribute to Jim Law, W9CXY, SK. Jim was one of the premier traffic handlers in the state, and will be missed greatly by all.

With no further business at hand, Chairman WA9W called for a motion (KC9CJ/N9BDL) to adjourn. Motion carried, and the meeting was adjourned at 12:14 p.m., June 17, 1990.

Respectfully submitted:

Art Evans, KA9KLZ, WNA Secretary

WNA NET MANAGERS, DELEGATES, AND WISCONSIN SECTION ARRL OFFICIALS

ARRL OFFICIALS

SM Richard Regent, K9GDF
STM Richard Hugi, KC9CJ
SEC Fred Wendt, W9ZAG
SEC/A Sherm Carr, W9NGT

WNA OFFICIALS

CHMN Greg Garner, WA9W
SECY Art Evans, KA9KLZ
TRSR Hale Blakely, W9CBE

BADGER WEATHER NET

N/M Richard Hugi, KC9CJ
DEL James Caldwell, WB9YPY
DEL Dwight Stimpson, AG9G

BADGER EMERGENCY NET

N/M Bob Towns, N9IAI
DEL Art Evans, KA9KLZ
DEL Open

WISCONSIN SIDEBAND NET

N/M Gene Santoski, K9UTQ
DEL Roy Pedersen, K9FHI
DEL Ray Sunderland, K9ANV

WISCONSIN NOVICE NET

N/M Adrian Apple, KA9FVX
DEL Robert S. Wicken, KA9GBG

WISCONSIN SLOW SPEED NET

N/M Lee Andreas, N9BDL
DEL Paul DeWitte, N9FVN
DEL Keith Shilhavy, KY9P

WISCONSIN INTRASTATE NET/EARLY

N/M Larry Guthu, WB9ICH
DEL Hale Blakely, W9CBE
DEL Les Peterson, W9YCV

WISCONSIN INTRASTATE NET/LATE

N/M Edward Rice, W9NGP
DEL Paul Amend, KA9OBP
DEL Don Stenz, K9KSA

NORTH WOODS TRAFFIC NET

N/M Mary Berger, NS9Q
DEL Bob Berger, WC9O

GLASS ARM REPORT (Wisconsin Slow Speed Net)

Lee G. Andreas, N9BDL, Net Manager
Route 1, 7600 Highway D East
Lake Tomahawk, WI 53439-9500

This quarter's report is going to be out of the ordinary and not by choice. I spent most of the past three month playing games with a not-too-common fungus infection. As result, I spent four weeks sampling the cuisine of two different hospitals. Most of the sampling was not done by mouth, but rather by means of a tube stuck into my arm and chest and, for while, a few tubes up my nose. The diagnosis is Blastomycosis dermatitidis, a fungus that grows well in the soil surrounding beaver ponds. Unfortunately, my work took me to many beaver ponds, and I inhaled one (or more) of those rascal spores.

Enough about my frailties and shortcomings. The bright side of the picture is the respons I received from the many hams in Wisconsin (and Minnesota too). One day, while attending a pain seminar in my room at Hennepin County Medical Center in Minneapolis, I received 16 cards and letters in the day's mail. That's one day's mail I'm talking about. Of the 16, twelve were from hams. At time like that, it made me extra proud to have studied electronic theory, communication laws, operating practices, and the International Morse Code. In other words, that ham license means more to me than just the ability to talk to other hams on the air. There is a special bond of friendship that is forged when one gets the ticket, and the response I received from my fellow hams in that time of need was

(Please turn to page 16)

Racine Megacycle Club

R. Stephen Bellgraph,
K9ZL, Secretary
402 Shelly Drive
Racine, WI 53405

MEETING MINUTES - JULY 9, 1990

Meeting called to order at 7:33 p.m.

Those present introduced: Dave Voss, WB9USI; Steve Bellgraph, K9ZL; Richard Regent, K9GDF; Barb Regent, N9DIJ; Fred Draves, Jr., KA9SNT; Wally Jensen, W9-RFW; Henry Belcher, N.C.; Dick Sesson, W5ONL; John Potaotes, N.C.; Dennis Demet, WB9SVM; Dave Winnen, N9DLZ; Jim Hoffman, KA9LOK; Jim McChesney, WA9-PFV; and Bill Komistra, W9OVZ,

Secretary and Treasurer's report given and accepted. Present balance is \$287.77. (Bill for Field Day not in.)

NEW BUSINESS

Cancelled check for incorporation has been received.

Dave reports that he has sent in the roster for the Badger State Smoke Signals subscription.

OLD BUSINESS

Dave gave a rundown on the many activities of the past month, including Field Day.

Jim, WA0PFV, thanked those who helped out with the ISSB Convention, and discussed some of the activity.

Dan, KA9OIL, talked about the upcoming Breezy Bike Ride, and pointed out that it is coming up soon, the last weekend in September.

Dave led a discussion about the police department vests we wore at the Air Show. Most felt that they were no problem to wear, and that they were helpful. This led to a discussion of whether the club should purchase some kind of identifying clothing for future activities. Most who spoke up felt that we should, but no action was taken.

Members were informed that Bob Jensen, W0WLN, purchased the necessary film used to make ARES identification pictures.

Motion was made and accepted that the club reimburse Bob for the cost of film used for the I.D. pictures.

Jim, WA0PFV, asked if we have an equipment committee. He pointed out that the condition of club property is in such poor condition that something should be done about it. It was suggested that perhaps an after-Sunday-morning-breakfast work party might do the job.

The antenna, as well as the shack, are also in need of normalizing. Dave suggested that next Saturday, after the 8 o'clock breakfast at the Heritage Restaurant, perhaps 9 a.m., those present could come over and work on it.

Cheryl, WS9P, informed us that the

remainder of the soda from Field Day was stored in the shack. Dave made the suggestion that we could take it to the QCWA picnic and sell it for a quarter a can, or some such figure, to get something out of it.

The QCWA picnic will be August 19 at the east side of Johnson Park, starting at 1 o'clock. Anyone interested in Ham Radio (plus YLs, XYLs, and OMs) are welcome. Bring your lunch. QCWA is to provide watermelon and soda. Talkin will be on 147.87/27.

The Repeater Club will meet the 31st of this month.

Even though we made 1920 points (480 contacts) on CW and 1530 (765 contacts) on phone, a general discussion of Field Day problems provided the following points which require attention.

- * The club should consider getting another tent; this to be used for packet, food, and bull sessions, so as to keep distracting activity away from operating positions.

- * Each position should have a transmatch to provide better antenna matching.

- * Some system for holding paper used by the operators must be provided for windy conditions.

- * Prior to Field Day, there should be some schooling for those who may be logging, so that they are better able to operate the computers without having to figure out everything during the Field Day operation.

- * Some training for packet operators relative to contest operating would also be helpful.

- * Something should be provided to prevent chair legs from sinking into soft soil.

- * Since the generator would sometimes change frequency slightly with a sudden load change, it would be well to have clocks which were not dependent on the frequency of the generator.

- * Heaters would be welcome at times.

- * Antennas were discussed, and the general opinion was that beams have little to offer for Field Day operation. Dipoles and trap dipoles should be the choice.

- * It would be well to have a list of sites available, along with requirements and limitations of use for use during emergencies.

- * We need an assignment chart so that all available time will be used.

After the Field Day discussion, the goodie box was raffled off, and John, W5ONL, lost.

Motion made and accepted to close at 8:58 p.m.

R. Stephen Bellgraph, K9ZL
Secretary

RMC News Notes

SILENT KEY: Elliot Dugas, W9AME, became a Silent Key, following a motorcycle accident in Boulder, Colorado last month. He formerly lived in Racine, and

his humorous packet messages will be missed. Rest in peace, Elliot.

RMC members have been very active in many civic activities in the past months, providing necessary communications. Racine Pony Club, Lutheran High School Walk, a grade school educational campout, Lighthouse Run, and the Racine Air Show and Symphony, as well as the typical ham activity, such as the YLISB convention, 10/10, QCWA, Field Day, and transmitter hunts.

Dan Miller, KA9OIL, with his wife, Gail, KE9SW, being very active in horse riding activities, got a number of us involved in a very interesting pony competition. Members helped coordinate activities, as well as keeping an eye out for problems.

Any time you let school out for Lutheran High School students to take a multi-mile walk, teachers have a bit of a problem watching for any problem. Members of RMC were able to give a hand. The walk was so long that many of the students found it necessary to find a rest stop. The found one in a place called "MacDonald's".

QCWA Chapter 162 members Bob Jensen, W0WLN, and Steve Bellgraph, K9ZL, spent a very enjoyable three days putting on programs for 5th grade Gifford students at their annual capout at Phantom Ranch, near Mukwonago. They were explaining what ham radio was all about. The most rewarding part was when watching students "at the key", sending messages to each other.

Using a slingshot and line, a two-meter ground plane was installed in a tree. About 150 kids learned some code, and a few were able to make phone patches to parents at home. All were offered "Archie" comic books. The interest shown indicates there may be a few more Novices soon.

During the Light House Run, Racine/Kenosha area ARES members again kept a lookout for injuries and any other problems which might come up in this long run from Racine to the light house and back. No injury problems.

During the Racine Air Show, Amateur Radio Emergency Service volunteers dotted the shore along beautiful Lake Michigan June 29 and 30. Their eyes were not only on those wonderful men and their flying machines, but on the estimated 250,000 spectators as well.

The windless ninety degree weather was of concern; however, only a few emergencies arose, and they were handled expediently. Lost children were taken to a designated tent and returned to their parents. The Racine Rotary Club sponsored the spectacular event. The hams had front row seats to view the Air Force Thunder Birds, Army Golden Knights Parachute Team, B-52 bomber, Marine Harrier, U.S. Navy F-14 and F-18, Team America, biplanes with their hammerhead stalls, and many, many more.

The two-day event was free to the public. Hams were also placed in the Racine Police Department's Command Post, and with the Rotary's Air Boss, Land Boss,



After a busy Light House Run, it's time to relax and refresh. Above are RMC operators (left to right) Jim Fox, W9LXY; Art James, KB9DJN; Craig Berry, KD9WZ; Bill Komistra, W9OVZ; Dick

Simon, KB9RP; Jim Runkel, KE9KQ; Lloyd Gorsiski, WB9RGO; Glenn Applin, N9FTN; unknown worker; and Jim Levandowski, KB9CCY.

and Water Boss. Six miles of shoreline were covered by Amateurs.

The Amateur Radio operators were greatly appreciated, especially KA9LOK and BV9BM (sic), who served as net control, and WB9RGO, for strategically locating Amateur communications.

After one operation, the Land Boss said, "You guys are worth your weight in gold."

- Sincerely, Sgt. Dave Voss, Racine Police Department, Amateur Radio Liaison, WB9USI

The Racine Symphony started its lake-front concert season on Friday, June 29, following the air show. The patriotic concert was delightful for the hams and their wives who volunteered their communication service.

There were about 1,200 concert-goers; only two medical emergencies occurred. Both were handled by Amateur Radio emergency services.

Racine hosted the International Single Sideband Net (ISBN) Convention. About 100 hams from all over the U.S. and five foreign countries held their annual convention at the Holiday Inn in Racine June 21-24, hosted by WA0PFV, with the assistance of WB9USI, W0WLN, W9OVZ, KA9ZPY, KA9OIL, WB9RGO, WB9ZIO, and others. Other Wisconsin hams attending included KE4FE/9, N9CSG, WA0PFV, N9CAP, WA9AWJ, KB9QL, WA9UNN, WA9W, N9IMD, WG9J, and KB9CFL. DX hams included VP5RW, SM4EAC, SM4PUR, G4OCS, XE1CI, and others.

The convention included local events at the Wind Point Light House, the Johnson Wax Company, the new Festival Hall and Marina at Lake Michigan, and more. Their annual banquet on June 23 included their top trophies and awards for distinguished service and DX achievement. The ISSBers involve about 15,000 hams in 300 countries

operating on all bands, but is primarily focused on 14.332 on 20 meters.

Field Day '90 was successful, thanks to W9LXY, who coordinated the event again this year.

The Wind Point Light House Chapter of Ten-Ten of Racine, Wisconsin meets Sundays at 3 p.m. CT on 28.555 MHz, and on Mondays at 8 p.m. CT on 28.455 MHz. WA0PFV is president. W0WLN, 5616 Cambridge #6, Racine, WI 53406, is certificate manager.

Over 1100 contacts were made. All those who operated were treated with great weather and plenty of food and drink to last through the wee hours of the morn-

Wisconsin Nets

(Continued from page 14)

overwhelming. I am in the process of sending out letters explaining in detail what went on to all those who sent me some mail, called on the phone, or stopped in person to see me. It will be a while before all of those letters are sent. I'm still receiving treatment, and am not back 100 percent.

During my absence, the WSSN went on without missing a beat. Thanks to those who picked up the empty NCS slots. Special thanks go to Dwight, AG9G, and Mary, NS9Q. Dwight picked up all of the net reports, and sent them via two meter FM to Mary, who is the net manager of the Northwoods Traffic Net. Mary then filled out all of the essential paperwork, and sent it all to the STM. It just proves that net managers are needed for the paper shuffling, and the real workhorses of the nets are the Net Control Stations and those who QNI the nets. My thanks again to all of those of you who pitched in and took up the slack. I'm so grateful that I gave Dwight two Friday nights in a row

ing. Maybe next year we can get a key for the restrooms!

We appreciated the F.D. visit by members of YLISSB, who conventioned in Racine over the weekend.

The next transmitter hunt, sponsored by Racine, is to be Friday, July 27th. The transmitter will be located in either Racine or Kenosha County, east of I-94.

The starting point will be announced starting at 6:30 p.m. on 147.87/27, the Lake Shore Repeater.

As usual, a stop for pizza and beverage follows at 8:30. Any questions, contact Dan Miller, KA9OIL, on the 87/27 machine.

off from his regular NCS duties. He usually gets one night off every other year.

I'm looking forward to seeing many of you at the Fall WNA meeting at Hartman's Creek Campground in September.

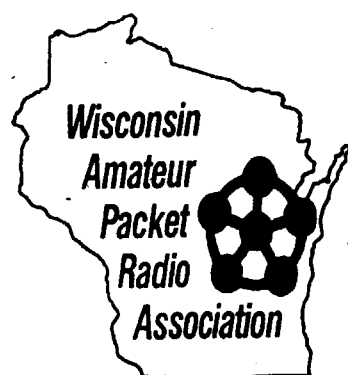
73, Lee G. Andreas, NM

WISCONSIN INTRASTATE NET/LATE

Ed Rice, W9NGP, Net Manager
W-126 Lang Rd, Oconomowoc, WI 53066

Our total checkins for the year passed the 1,000 mark early in June. Last year, the total QNI hit 1,000 on the 7th of July, so we are holding about steady. Our total QTC for 1990 is up over 11% over 1989, despite the general scarcity of traffic lately. I am pleased to welcome back an old hand on the CW nets: WG9U, Steve Oelke. He was N9DIH when he was a student in my class, and coaxed me into the CW nets. W9YCV leads the net in QNI, with 76 for the quarter; he is followed closely by K9KSA, who has 72 QNI. And, W9KLN leads the 9RN volunteers, with 20 trips down that extra mile. TNX, Les, Don, and Bob.

- 73, Ed



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

c/o CARL SCHUMACHER, N9BYS
7740 EVERGREEN TERRACE
BURLINGTON, WI 53106

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

WAPR MEETING - JULY 7, 1990

The Beginners Packet meeting started at 10 AM with introductions by Bill, W9NNS. He turned the meeting over to Tom, KD9FC, who gave a very thorough talk on the how to get started in Packet Radio. Tom covered the basics of what is needed, how to get on the air, How to use a digi-peater & a node, & how to access a BBS. A very lively question & answer period followed with Bob, KA9EOK, & Bill, W9NNS, giving a show & tell on a station they had there...

After a very short break, Dan, WB9TYT, led a discussion on Networking in the State, how it is done in the Southeastern part of the state, & some of the mistakes that were made there.. Dan had a MFJ 1270B there with a 4800 baud HAPN modem in it for all to inspect. It was pointed out that we should consider 9600 baud modems also, but because of the distances & terrain involved, we might be better off with the HAPN modems.

There were over 25 people in attendance & all of us left with a better understanding on what & how we have to do to extend our network throughout the state.

Bill, W9NNS, (Chairman of WAPR) gave a short talk on the involvement of WAPR. He urged all who were not members to join WAPR and help to support our efforts to expand our growing network. He also pointed out that Dan, WB9TYT, was the Frequency coordinator for Packet in the State & was working with Nels Harvey, WA9JOB, (Wisconsin Repeater Coordinator) to provide a "Clear Channell" list of frequencies for Packet in Wisconsin.

Thank You for a fine meeting..

Gerry Bellehumeur, KC9BK

No others nominated - closed by WB9TYT, seconded by WD9ANY

Nominated for Treasurer by WB9TYT, seconded by KC9BK

Carl Schumacher, N9BYS

No others nominated - closed by KC9BK, seconded by WD9ANY

Nominated for Directors:

Dan Bolander, WB9TYT by KC9BK, seconded by N9BYS
Joel Eschmann, K9MLD by WB9TYT, seconded by K9PIQ
Roy Hawkins, WA9KEC by WB9TYT, seconded by WD9ANY
Robert Scrip, WD9ANY by W9YCV, seconded by KC9BK
No others nominated - closed by N9BYS, seconded by KC9BK

Those running unopposed were elected by unanimous vote and the three director offices were voted on by secret ballot. The election

coordinates repeater frequencies while WAPR handles the packet frequencies. Nels, also informed the group that Ozaukee County is building a new courthouse and that room has been set aside for emergency communications. There is also the possibility that funding might be available for a packet station at this site. Those interested should contact the EC for Ozaukee county, WB9RQR, who has a mailbox reachable via WIGTN.

Gerry, KC9BK, mentioned to the group that the small print in the current ARRL Repeater Guide indicated that the ARRL may put out a separate book for packet users.

Roy, WA9KEC, asked Dan, WB9TYT, to handle the packet frequency coordination for WAPR and Dan accepted effective immediately.

Roy, WA9KEC, opened the floor for nominations for the following offices: Chairman, Vice-Chairman, Secretary, Treasurer, and three Directors.

Nominated for Chairman by WB9TYT, seconded by KC9BK

Rev. Bill Jablonske, W9NNS

No others nominated - closed by N9BYS, seconded by K9PIQ

Nominated for Vice-Chairman by WB9TYT, seconded by KC9BK

Robert Martin, KA9EOK

No others nominated - closed by N9BYS, seconded by WD9ANY

Nominated for Secretary by WB9TYT, seconded by K9PIQ

affected by the RF from some transmitters.

At 12:45 P.M. Gerry, KC9BK made the motion to adjourn the meeting and it was seconded by Dan, WB9TYT. The meeting was adjourned at that time.

Respectfully submitted,

Carl Schumacher, N9BYS, Acting Secretary

RENEWAL NOTICE

Most of the WAPR memberships expired on July 1, 1990. The expiration date of your BSSS subscription is shown on your mailing lable. This may or may not coincide with your WAPR membership. If you have already renewed your membership, recently, or at the July meeting, this may not yet show on your label. If you have not renewed, please do to with Carl Schumacher, N9BYS, 7740 Evergreen Terrace, Burlington, WI 53105. Dues are \$12.50 for the year.

results follow with their accompanying one-year terms effective immediately:

Chairman -	Rev. Bill Jablonske, W9NNS
Vice-Chairman -	Robert Martin, KA9EOK
Secretary -	Gerry Bellehumeur, KC9BK
Treasurer -	Carl Schumacher, N9BYS
Directors -	Dan Bolander, WB9TYT
	Joel Eschmann, K9MLD
	Robert Scrip, WD9ANY

It was suggested that the Treasurer send confirmation to all applicants that their paperwork has been received. That policy will commence immediately.

Gerry, KC9BK, made a motion that a letter of appreciation to Roy, WA9KEC, for his services as Vice-Chairman and acting Chairman since January. The motion was unanimously approved.

Les, W9YCV, suggested we change the format on our application for membership forms to include an area so the applicant can indicate that he receives BSSS through another organization and does not desire to receive BSSS through WAPR.

Dan, WB9TYT, discussed plans for the Eau Claire Hamfest July 14, to hold a Packet Roundtable discussion for those interested.

John, WB9SMM, described ideas and plans for an emergency node link to be separate from the other nodes in the state. These are to be utilized for emergencies by emergency government centers, medical, law enforcement agencies, fire & rescue and the U.S. Weather Service.

Gerry, KC9BK, brought up the possibility of lawsuits concerning radio equipment that might be installed at hospital sites due to all of the electronic medical equipment that might be

Dan, WB9TYT...

July 7, 1990

Minutes of the meeting of the Wisconsin Amateur Packet Radio Association held on this date at the Oak Creek Swapf Wisconsin. The meeting was called to order at 10:40 A.M. by Vice-Chairman Roy Hawkins, WA9KEC. Twelve members were present.

The minutes of the last meeting were read and approved. Carl Schumacher, N9BYS, reported a balance of \$1142.60 who signed up at the meeting. The treasurer's report was accepted as read.

Nels, WA9JOB, volunteered to make a packet frequency database and express inputs from packet users. Nels, the frequency coordinator mentioned

BADGER STATE SMOKE SIGNALS / August 1990 / Page 18

I have been appointed Frequency Coordinator for Packet Radio in Wisconsin by WAPR. I will be working with Nels Harvey, who is the repeater coordinator for the state & Nels will be keeping the data base for us. Nels & I have made up a partial list of frequencies that are not in use & we can verify a "clear frequency" of your choice. Please let me know of your plans to use any frequencies for Packet & we will enter it into our database. We are also going to be listed in the ARRL directory & I need to verify the accuracy of our existing list. This will be considered the only valid Frequency coordination list for Wisconsin.

You will also notice the new format in the listing. It corresponds to the ARRL Plan for Coordination in the Coordination Database.. Deadline on corrections/additions is August 1, 1990.. Thank You, Dan, WB9TYT @ WB9TYT..

WAPR/WAR/ARRL Wisconsin Packet Coordination

Statewide List By City

Location	ST Freq-Mhz.	Alias	Call	Type-Notes	Sponsor	Source
Antigo	WI 145.010	WIANT	K9MLD-7	N-NODE-TheNet	K9MLD	WAPR/WAR
Bayfield	WI 145.010	WIBFD	NOELB-1	N-NODE-TheNet	NOELB	WAPR/WAR
Beaver Dam	WI 145.030		KA9JDE	M-PBBS-Local	R.R.R.C.	WAPR/WAR
Beaver Dam	WI 145.030	BVD	KA9JDE	K-KA-NODE	KA9JDE	WAPR/WAR
Beloit	WI 145.010	BLT	K9EP	K-KA-NODE	K9EP	WAPR/WAR
Brown Deer	WI 145.690	WIBDR	KC9BK	M-PBBS-Local	KC9BK	WAPR/WAR
Brown Deer	WI 223.565		KC9BK	M-PBBS-Netwrk	KC9BK	WAPR/WAR
Burlington	WI 145.090	WIBUR	N9BYS	M-PBBS-LOCAL	N9BYS	WAPR/WAR
Burlington	WI 221.325	WIBUR	N9BYS-1	M-PBBS-Netwrk	N9BYS	WAPR/WAR
Burlington	WI 446.100	#BURP	WB9TYT-4	N-NODE-TheNet	WB9TYT	WAPR/WAR
Chip. Falls	WI 145.010	WICHIP	WD9HFT-1	N-NODE-TheNet	WD9HFT	WAPR/WAR
Cudahy	WI 145.090	CUD	N9AW	M-PBBS-LOCAL	N9AW	WAPR/WAR
Eau Claire	WI 145.010	WIEAU	WOA1H-1	N-NODE-TheNet	WOA1H	WAPR/WAR
Eau Claire	WI MATRIX	WINNS	W9NNS-1	N-Converse	W9NNS	WAPR/WAR
Elkhorn	WI 145.070	WIELK	WA9AJW-1	M-PBBS-LOCAL	WA9AJW	WAPR/WAR
Elkhorn	WI 221.325	WIELK	WA9AJW-1	M-PBBS-Netwrk	WA9AJW	WAPR/WAR
Fitchburg	WI 145.070	FBG	KA9VDU	D-Digi	KA9VDU	WAPR/WAR
Fitchburg	WI 145.070	MSM	W9CWD	D-DIGI	W9CWD	WAPR/WAR
Fitchburg	WI 145.670	#IPFBG	N9GBJ	M-NODE-TCP/IP	N9GBJ	WAPR/WAR
Freedom	WI 144.910		AA9A	M-DX-Network	AA9A	WAPR/WAR
Freedom	WI 223.480		AA9A	D-DX CLUSTER	AA9A	WAPR/WAR
Germantown	WI 145.030	GTB	KB9OK	K-KA-NODE	KB9OK	WAPR/WAR
Germantown	WI 145.030	KCI	KC9CI	K-KA-NODE	KC9CI	WAPR/WAR
Germantown	WI 145.030	WIGER	KB9OK-3	N-Node-TheNet	KB9OK	WAPR/WAR
Germantown	WI 145.090	WIGTN	KB9OK-9	N-NODE-TheNet	KB9OK	WAPR/WAR
Germantown	WI 145.690	GTN	KB9OK	K-KA-NODE	KB9OK	WAPR/WAR
Germantown	WI 28.195	WISE	KB9OK-10	N-NODE-TheNet	KB9OK	WAPR/WAR
Germantown	WI MATRIX	GTCONV	KB9OK-6	N-Converse	KB9OK	WAPR/WAR
Green Bay	WI 145.010		KA9WPG	M-PBBS-Local	KA9WPG	WAPR/WAR
Green Bay	WI 145.010	GRB	K9JQE-1	N-Node-TheNet	K9JQE	WAPR/WAR
Green Bay	WI 145.010	WIGBAY	KA9WPG-15	N-Node-MSYS	KA9WPG	WAPR/WAR
Green Bay	WI 223.440	NEW	K9JQE-2	N-NODE-TheNet	K9JQE	WAPR/WAR
Hayward	WI 145.010	WIHYR	KD9FC-1	N-NODE-TheNet	KD9FC	WAPR/WAR
Janesville	WI 145.070	JVL	KD9JK-2	M-PBBS-LOCAL	KD9JK	WAPR/WAR
Lacrosse	WI 145.010	WILSE	WA9FIO-1	N-NODE-TheNet	WA9FIO	WAPR/WAR
Lodi	WI 145.010	WILOD	WD9ESU-7	N-NODE-TheNet	WD9ESU	WAPR/WAR
Lodi	WI 145.070	WILODI	WD9ESU-4	N-NODE-MSYS	WD9ESU	WAPR/WAR
Lodi	WI 221.315	#LOD2	WD9ESU-9	N-NODE-TheNet	WD9ESU	WAPR/WAR
Lodi	WI MATRIX		WD9ESU	M-PBBS-Netwrk	WD9ESU	WAPR/WAR
Madison	WI 145.010		W9WI-1	M-PBBS-Netwrk	W9WI	WAPR/WAR
Madison	WI 145.010	#IPPAT	KD9UU	M-NODE-TCP/IP	KD9UU	WAPR/WAR
Madison	WI 145.010	MAD	WB9QHD-15	N-NODE-TheNet	WB9QHD	WAPR/WAR
Madison	WI 145.070		W9WI-1	M-PBBS-LOCAL	W9WI	WAPR/WAR
Madison	WI 145.070	BOB	N9HAD-1	K-KA-NODE	N9HAD	WAPR/WAR
Madison	WI 145.070	WST	KB9NG	K-KA-NODE	KB9NG	WAPR/WAR

Madison	WI 145.670	#IPPAT	KD9UU	M-NODE-TCP/IP	KD9UU	WAPR/WAR
Madison	WI 223.420	WIBK22	NX9K-9	N-NODE-TCP/IP	NX9K	WAPR/WAR
Markesan	WI 144.970	WIGLK	KB9WC-7	N-NODE-TheNet	KB9WC	WAPR/WAR
Markesan	WI 221.315	#WIGLK	KB9WC-8	N-NODE-TheNet	KB9WC	WAPR/WAR
Medford	WI 145.010	WIMED	N9GHZ-1	N-NODE-TheNet	N9GHZ	WAPR/WAR
Milwaukee	WI 14.107		WB9TYT	G-HF-Gateway	WB9TYT	WAPR/WAR
Milwaukee	WI 145.690	MILW	AE9H	K-KA-NODE	AE9H	WAPR/WAR
Milwaukee	WI 145.690	TYT	WB9TYT	M-PBBS-LOCAL	WB9TYT	WAPR/WAR
Milwaukee	WI 223.565	WIBEEER	WB9TYT-10	M-PBBS-Netwrk	WB9TYT	WAPR/WAR
Muskego	WI 14.107		WA9ZRL	G-HF-GATEWAY	WA9ZRL	WAPR/WAR
Muskego	WI 145.690		WA9ZRL	M-PBBS-LOCAL	WA9ZRL	WAPR/WAR
Muskego	WI 145.690	WIMUS	WA9ZRL-4	N-NODE-MSYS	WA9ZRL	WAPR/WAR
New Berlin	WI 145.090		WD9ANY	M-PBBS-LOCAL	WD9ANY	WAPR/WAR
New Berlin	WI 145.090	WINWB	WD9ANY-9	N-NODE-TheNet	WD9ANY	WAPR/WAR
North Freedom	WI 145.010	WINFR	WA9SOU-2	N-NODE-NetRom	WA9SOU	WAPR/WAR
North Prairie	WI 145.070	NPBBS	WA9KEC	M-PBBS-LOCAL	WA9KEC	WAPR/WAR
North Prairie	WI 145.090	NPBBS	WA9KEC	M-PBBS-LOCAL	WA9KEC	WAPR/WAR
North Prairie	WI 221.325	#NP220	WA9KEC-4	N-NODE-TheNet	WA9KEC	WAPR/WAR
North Prairie	WI 446.100	#NP446	WA9KEC-3	N-NODE-TheNet	WA9KEC	WAPR/WAR
North Prairie	WI MATRIX	WIBBS	WA9KEC-10	M-PBBS-Netwrk	WA9KEC	WAPR/WAR
Oconomowoc	WI 145.030	OCON	N9HR	K-KA-NODE	N9HR	WAPR/WAR
Omro	WI 145.010	ORO	N9CCI	D-DIGI	N9CCI	WAPR/WAR
Onalaska	WI 145.010		W9LZQ-1	M-PBBS-Netwrk	W9LZQ	WAPR/WAR
Onalaska	WI 145.070		W9LZQ-1	M-PBBS-LOCAL	W9LZQ	WAPR/WAR
Onalaska	WI 145.090	LSE2	WA9FIO-2	N-NODE-TheNet	WA9FIO	WAPR/WAR
Park Falls	WI 145.010	WIPKF	NC9G-1	N-NODE-TheNet	NC9G	WAPR/WAR
Pittsfield	WI 145.010	WIPIT	N9BQM	K-KA-NODE	N9BQM	WAPR/WAR
Plymouth	WI 145.010	WISHE	NF9R-1	N-NODE-NetRom	NF9R	WAPR/WAR
Plymouth	WI 223.480	#SHE2	NF9R-2	N-NODE-NetRom	NF9R	WAPR/WAR
Plymouth	WI 446.100	#SHEB	NF9R-3	N-NODE-NetRom	NF9R	WAPR/WAR
Racine	WI 145.090	WIRAC	K9MLD-9	N-NODE-TheNet	K9MLD	WAPR/WAR
Racine	WI 145.910		KF9K	D-DX-Network	KF9K	WAPR/WAR
Racine	WI 223.440		KF9K	D-DX-LOCAL	KF9K	WAPR/WAR
Rhineland	WI 14.111		W9ZBD	G-HF-GATEWAY	W9ZBD	WAPR/WAR
Rhineland	WI 145.010		W9ZBD	M-PBBS-LOCAL	W9ZBD	WAPR/WAR
Rhineland	WI 145.010	WIRHI	W9ZBD-3	N-NODE-TheNet	W9ZBD	WAPR/WAR
Rice Lake	WI 145.010	WIRIE	N9FHH-1	N-NODE-TheNet	N9FHH	WAPR/WAR
Ripon	WI 144.970		WB9ZRE-1	K-KA-NODE	WB9ZRE	WAPR/WAR
Sheboygan	WI 145.910		KR9S	D-DX-Network	KR9S	WAPR/WAR
Sheboygan	WI 223.480		KR9S	D-DX-LOCAL	KR9S	WAPR/WAR
Slinger	WI 145.690	WISLG	WB9TYT-7	N-NODE-TheNet	WB9TYT	WAPR/WAR
Slinger	WI 221.315	#SLG2	WB9TYT-9	N-NODE-TheNet	WB9TYT	WAPR/WAR
Slinger	WI 223.565	#SLGH	WB9TYT-5	N-NODE-TheNet	WB9TYT	WAPR/WAR
Slinger	WI 446.100	#SLGB	WB9TYT-8	N-NODE-TheNet	WB9TYT	WAPR/WAR
Slinger	WI MATRIX	WICONV	WB9TYT-6	N-Converse	WB9TYT	WAPR/WAR
Stevens Point	WI 145.010	WISPT	KD9NV	M-PBBS-LOCAL	KD9NV	WAPR/WAR
Stevens Point	WI 145.010	WISTE	WB9QFW	N-NODE-TheNet	WB9QFW	WAPR/WAR
Stevens Point	WI 223.480	WICWRA	WB9QFW-2	N-NODE-TheNet	WB9QFW	WAPR/WAR
Sturgeon Bay	WI 145.010	WISTB	WB9YUY-1	N-NODE-TheNet	WB9YUY	WAPR/WAR
Tomah	WI 145.010	CMY	N9BOE-1	N-NODE-TheNet	N9BOE	WAPR/WAR
Tomahawk	WI 145.010		N9CLE-2	K-KA-NODE	N9CLE	WAPR/WAR
Viroqua	WI 145.010		AA9M	D-DIGI	AA9M	WAPR/WAR
Watertown	WI 145.030	ARES	WA9KCU	M-PBBS-ARES	WA9KCU	WAPR/WAR
Watertown	WI 145.030	WTTN	N9HAL	K-KA-NODE	N9HAL	WAPR/WAR
Wausau	WI 145.010	WIAUW	N9CLE-1	N-NODE-NetRom	N9CLE	WAPR/WAR
Whitefish Bay	WI 145.030		W9PY	D-DIGI	W9PY	WAPR/WAR
Wis. Rapids	WI 145.010	WRP	K9UTQ	D-Digi	K9UTQ	WAPR/WAR

Note: D=Digipeater, G=Gateway, K=KA Node, M=BBS, N=Network (ARRL Codes)
Send Updates and Coordination Requests to WB9TYT @ WB9TYT
Revised 09 JULY 90

Yellow Thunder Amateur Radio Club



K90DK
WB9FDZ

Art Kleefisch, W9WSS
Secretary
1014 5th Street
Baraboo, WI. 53913

Minutes of YTARC July 10th meeting.

The next meeting of the YTARC will be held on Wednesday, August 15th, in room 14 of the Baraboo Civic Center. The meeting will start at 7:30 PM.

The July 10th 1990 meeting of the YTARC was called to order at 7:45 pm by President Duane Grotophorst.

The following members were present:

Duane Grotophorst, KA9HKL	Logenville
Jim Decker, WB9UQT	Baraboo
Harry Mayland, K9FFT	Baraboo
Harry Westlund, K9EHK	Baraboo
Art Kleefisch, W9WSS	Baraboo
Dennis F. Sweeney	Portage
Joe Sweeney, KB9ERR	Portage
Dennis Sweeney	Portage

The minutes of the June meeting were accepted as published in BSSS.

The Treasurers report was given as \$220.98 Operating Balance and \$256.25 Total Balance.

The Owen Park Field Day operations on June 23rd and 24th went off as planned. The club call, WB9FDZ, was used for the 2 station and Packet station set-up. The Novice station used KB9ERR, Joe Sweeney's Station Call Sign. Ken's old generator faithfully supplied the power.

The Field day was a success, the weather was fine and no mosquitoes.

Plans for next year should include getting more operators involved to keep the stations on the "air" and possibly reworking the old crank-up tower to reduce the antennae setup time.

Duane, KA9HKL, started a discussion relating to the possibility of scheduling classes for area HAMS that would like to upgrade their operating license. After discussing various options of class timing etc, it was suggested that we should get some input from HAMS that are interested in upgrading classes. If you or anyone you know would like to upgrade, please let us know what kind of help you need or would like to have to upgrade.

The Sauk County Sheriff Department would like to have a list of Hams that could possibly be called on to help with emergency communications. If you can help please contact

Jim Decker, WB9UQT, or you can call me.

Bucknite - Phil Anderson, W9TP, not present.

Next month drawing for three dollars.

The meeting was adjourned at 9:21pm.

Art Kleefisch, Secretary, 356-3112
1014 Fifth St., Baraboo, WI 53913

YTARC BIRTHDAY

Jim Decker	WB9UQT	August	16
Ken Johnson	K9DZG	August	25

SENTENCE SERMON

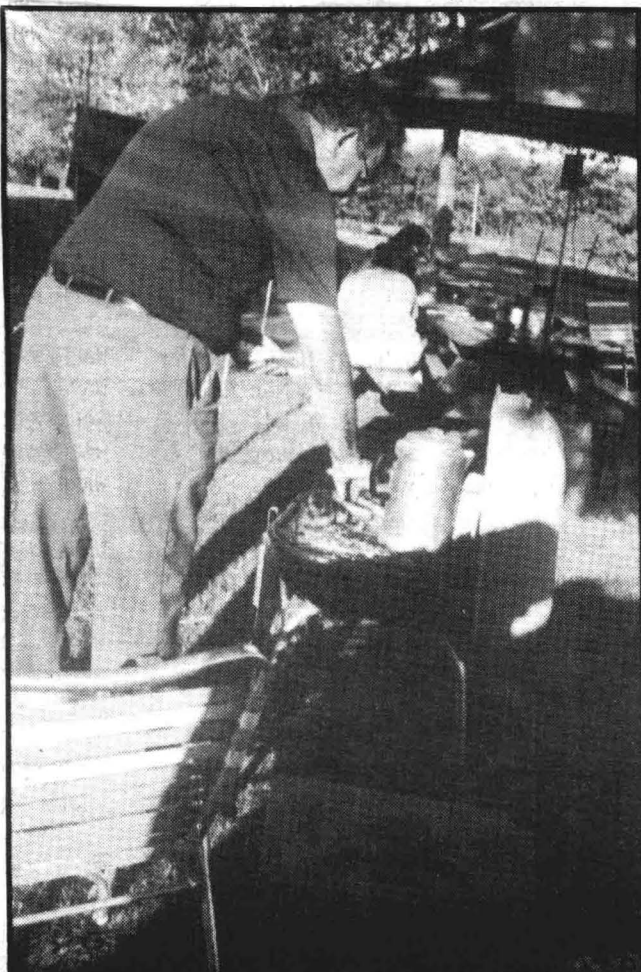
When the young complain to you about the old, and the old about the young -- you're middle-aged.

ELECTRONIC JUNK SALE

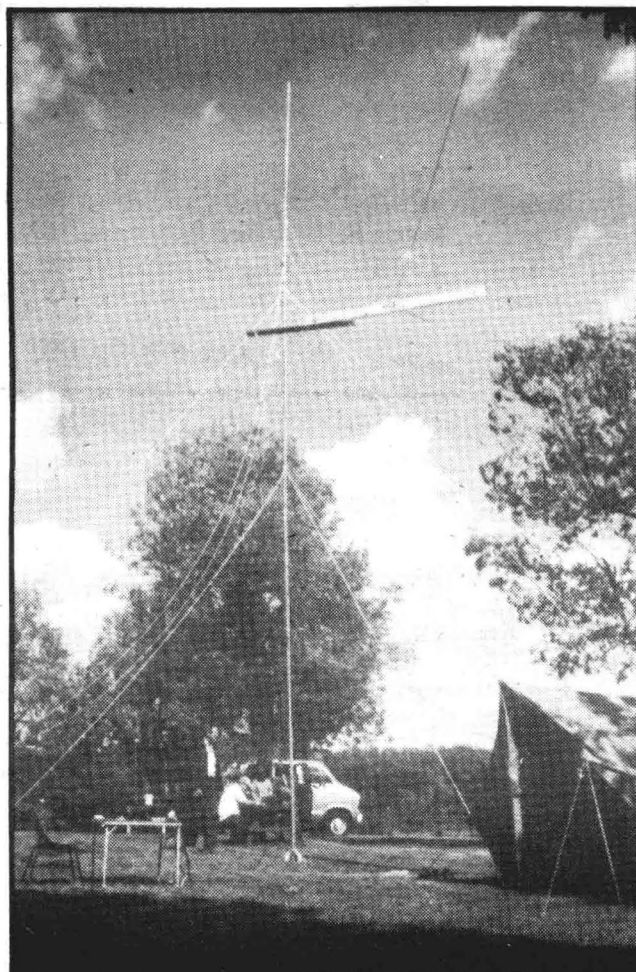
I am cleaning out my shack and have lot of electronic and other junk to dispose of. Rather than haul it to a swapfest, I will hold a "mini swapfest" in my driveway on Sunday, August, 19, 1990, from 10 a.m. to 4 p.m. There is room in the empty lot next door to set yourself up for trading, so bring your "junk" along. Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI.

Field Day 1990

Yellow Thunder Amateur Radio Club



Field Day for YTARC isn't just for operating; it's for socializing and cooking out, too. Here, Ken Ebner, K9EN, turns his weiner on the grill to keep it from burning.



Field Day is not just a contest, it's for learning how to operate under emergency conditions, too. Makeshift antennas are a part of such conditions; this photo shows makeshift antennas at their best!



As part of the social aspect of YTARC Field Day, the crew enjoyed a visit from Gary Bursack, N9HMC, of Pardeeville. Here, Gary checks the HT coverage from the high vantage point of Owen Park.

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